

Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Add-on Certificate Course

On

Sericulture



Organised by

Department of Zoology

Course incharge

Mr. Mali G. S.

Mr. Gobbi S. D.

Miss. Madgyal B. R.

Course duration-02 Dec 2022 to 06 Jan 2023

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Add on certificate course on sericulture

Year 2022-2023

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Ref.No.

Date:25/11/2022

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Certificate Course of Sericulture

Respected sir,

With the reference to above subject, our Zoology department is going to conduct certificate course in Certificate Course of **Sericulture** for B.Sc. Students in this year academic year (2022-23). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Department of Zoology,

Shri R.K. Patil A.C.S College, Sankh.

Tal- Sankh Dist-Sangli

Department of Zoology
Shri R. R. Patil Arts, Grandelice
& Science College, Sankh
Tal. Jath, Dist. Sangli



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To
Mr. M. B. Sajjan
HOD of Zoology Department,
R.R college Jath
A/P- Jath, Tal- Jath
Dist- Sangli

Subject: Invitation as a resource person for certificate course in "Sericulture".

Respected Sir,

I am pleased to invite you to conduct certificate course in "Sericulture"." for academic 2022-23 under Department of Zoology from Date 02/12/2022 to 06/01/2023.

We look forward your presence and guidance

Thanking you

your faithfully

Head
Department of Zoology
St-1 R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangil





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Date-28-12-2022

Notice

All students of B.sc I/II/III are here by informed that Department has organised "Add on Certificate Course on Sericulture" from 2022-23.All students are informed that they should remain present for course on time. It may clearly noted that will be collected from absent students.







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Department of Zoology

Sericulture

Meeting Notice

The meeting of the members of BOS in certificate course in **Sericulture** is conveyed on 02 December 2022 for the preparation of syllabus.

Sr.no.	Name	Position	Signature
1	Mr. Kolekar.L.S.	Chairman	- Smedeling
2	Mr. Mali.G.S	Co-Ordinator	_98
3	Mr. Sayyad S.A.	Member	Tayyeas
4	Mr. Patil.S.B.	Member	PSB-
5	Mr. Haladakki A.S.	Member	Władakki

HOD
Head
Department of Zoology
Shri R. K. Patil Art
& Science
Tal. Jath, Diet. Sangli

Esta 2018 Fal-John College & UNIOS

Principal

Vc. Principal,
Shri R. K. Petil Arta, Commerce Science College,
Sansat, Tal. Jeth, Date Sangit 418 412

Department of Zoology

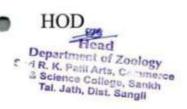
Sericulture

Academic Year 2022-23

Minutes of Meeting

The meeting of the members of BOS in certificate course in Introduction of Sericulture is held on 02 December 2022 for the preparation of cpurse syllabus. The following members of present and prepared the syllabus of the above course and submitted to IQAC,Shri R.K.Patil ACS College Sankh.

Sr.no.	Name	Position	Signature
1	Mr. Kolekar.L.S.	Chairman	Sames
2	Mr. Mali.G.S	Co-Ordinator	_060
3	Mr. Sayyad S.A.	Member	-arner
4	Mr. Patil.S.B.	Member	
5	Mr. Haladakki A.S.	Member	a Jadoleici.





Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412



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Title- Add on Certificate Course on Sericulture.

Total Hrs.30

Theory

- Life cycle of Bombyx mori-Morphology of egg,larva,pupa, and adult of Bombyx mori.
- Morphology and Anatomical structure of Silk gland.
- Rearing house:Location, orientation ,plan and utilities; model rearing house;low-cost rearing house.
- Chawki rearing:Preparation; brushing and its mathods;types of chawki rearing traditional and improved method;optimum environmental conditions; methods and frequency of feeding,methods of bed cleaning spacing;moulting and care during moult.
- Late age silkworm rearing :Methods;optimum environmental condition ;methods andfrequency of feeding;methods of bed cleaning;Spacing;moultingcare during moult.
- Brushing: Methods; chwki rearing; use of paraffin paper andblue polytene sheet. Bed cleaning; use of bed cleaning net and disposal of bed refuses and silkworm litter.
- Moulting: Identification of moultinglarva, care during moulting:moulting density; harvesting of cocoons; assessmentof cocoons types of mountages; Maintanance of records for silkworm rearing.
- Introduction; Classification of silkworm disease.

Practicals

- Study of life cycle of Silkworm
- Choking of silkworm



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Department of Zoology

Year:2022-23

Add on Certificate Course

On

Sericulture

Objectives:

- On completing the Sericulture course, students will be able tounderstand overall aspects
 of Sericulture, namely, Mulberry and non-mulberry silkworms and their food
 plants, Rearing of the silkworm pathology. Process of silkworm seed production and silk
 technology.
- This course creates awareness among about the economic importance and suitability of sericulture in Indian conditions.
- Students will get hands on training on Mulberry nursery management, Silkworm rearing, and Silk reeling.
- Employing self employment and enterpreneurship among youths.

Learning Outcomes:

- Understand concepts of sericulture industry and demostrate interdiscilinary skills aquired in mulberry plant cultivation, silkworm rearing ,diagnosis of diseases and pest of mulberry and silkworm and their prevention and its Seri-farmers livelihood.
- Demostration the Laboratory and field skills in mulberry cultivation and silkworm rearing with emphasis on technological aspects..
- Competent to transfer the knowledge and technical skills to the Seri-farmers.
- Critically analyse the environmental issues and applyin management ofmulberry garden and silkworm rearing at field.

Incharge Certificate Course

Department of Zoology Head

Department of Zoology
Shri F at Arts, Commerce
& S. Gollene, Sankh
Tal. Jaul, Dist. Sangli



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Department of Zoology

Year: 2022-2023

Add on Certificate Course

On

Sericulture

Time Table-

Theory and Practical

Time	Mon	Tues	Wed	Thurs	Fri	Sat
1.30-2.30	Mr.Mali.	Mr.Gobbi.	Miss.Mad	Mr.Gobbi.S.	Mr.Mali.G.	Miss.Madgya
Theory	G.S	S.D	gyal B.R.	D	S	I B.R.
2.45-3.30	Mr.Mali.	Mr.Gobbi.	Miss.Mad	Mr.Gobbi.S.	Mr.Mali.G.	Miss.Madgya
Practical	G.S	S.D	gyal B.R.	D	S	1 B.R.







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Department of Zoology

Year: 2022-2023

Add on Certificate Course On Sericulture

Sr. No.	No. of Students	
1	KATRAL PRAKASH MADANNA	
2	KULANGI PAVAN PRABHAKAR	
3	SAWANT ASMITA MOHAN	
4	MULLA ISMAIL BADESAHEB	
5	BIRADAR BALACHANDRA BABURAY	
6	SHINGADE SUNIL DASHARATH	
7	NAGANE MAHESHWARI SAMBHAJI	
8	MORADI VIRESH SURESH	
9	VAGHOLI ANIL SAHEBGOUDA	
10	KARAJANAGI BASAVPOOJA MAHADEV	
11	WAGOLI ASHOK GURUPAD	
12	GEJJI ANAND MURIGEPPA	
13	PAWAR LAXMIKANT BHAIRAVNATH	
14	BHANDARKAVATE VITTHAL BHIMRAY	
15	MUCHANDI SHASHIKALA SHRISHAIL	
16	SUSALAD BILENSIDDA SHIVANNA	
17	LONI RAJASHRI BALAPPA	
18	SANADI SUKHADEV SAMBHAJI	
19	BIRADAR SOMANGOUNDA SHANKAR	
20	KUMBAR ANAND GANAPATI	
21	CHOUGULE SUREKHA MAYAPPA	
22	GOBBI GANESH PRABHULING	
23	RUPANAVAR YOGESH JAKKAPPA	
24	ANKALKOT SHIVASHANKAR SHRISHAIL	
25	MADABHAVI SACHIN SANGMESH	
26	UMARANI SHRIDHAR MALLIKARJUN	
27	SAWANT DAYANAND SHAHAJI	

28	KARAJAGI AKSHATA SURESH	
29	KOTAGOND OMKAR SANJAY	
30	BIRADAR MAHESH MAHADEV	
31	TUPSOUNDARYA SHREYASH MAHADEV	
32	BIRADAR SACHIN MALLIKARJUN	
33	JAMAGOND BHIMANNA MALLIKARJUN	
34	KOLAKAR BASAVARAJ RAJAPPA	
35	SHINDE VAIBHAV VILAS	
36	SUTAR SONALI RAJENDRA	
37	MALHALKAR ARUN BABASO	
38	AWATI VIJAYALAXMI CHANNAPPA	
39	RATHOD SANDESH GOVIND	
40	AKKI VINOD ARUN	







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Atendance Sheet

Sr.no.	Name of the students	D e c	3 Dec	5 Dec	6 Dec	7 Dec	8 Dec	9 Dec	10 Dec	12 Dec	13 Dec	14 Dec	15 Dec
1.	KATRAL PRAKASH MADANNA	03	0	O'AL	(Dy oth	(Over)	(D) (F)	0	Ab	25	0,8	Quit	O. al
2.	KULANGI PAVAN PRABHAKAR	20	Bren	Paras	Caran	Para	Pavar	Para	pava	pares		payaro	paye
3.	SAWANT ASMITA MOHAN	00	But	Qued's	Que	Oct.	Buch	Beed!	Ab	Buch	(Brown	Burns	B
4.	MULLA ISMAIL BADESAHEB	1.0	7.B.M	(.e.m	1.0 m	1.6th	384	1.0M	7.8M	7.8.10	1.0.1	1-00	2.0
5.	BIRADAR BALACHANDRÁ BABURAY	4	By.	多	8	39	BEA	型	些	多	殆	30	多
6.	SHINGADE SUNIL DASHARATH	0	course	Carriel	SHEEL	Sund	und	and	geril	Beren!	Buil	Ab	60.90
7.	NAGANE MAHESHWARI SAMBHAJI	P	SP	Bb	30-	Jan .	ghe	ge	Shr.	gh.	gen	. Spe	B
8.	MORADI VIRESH SURESH	18	SEP.	SER	MA	MA	Mar	YES	Lor	MAR	380°	Sp	ABO
9.	VAGHOLI ANIL SAHEBGOUDA	prol	pool	Bul	prol	pril	mil	mil	pril	reil.	pool	pool	Proil
10.	KARAJANAGI BASAVPOOJA MAHADEV	Ke	YHS	YA	Yex	Yes	voc.	V4s	Vas	vin	Vac.	Ve.	Vez,
11.	WAGOLI ASHOK GURUPAD	lba,	100	1007-	10m2	Bu-	135	E805	Ugu.	1900	Ma.	090	Ma
12.	GEJJI ANAND MURIGEPPA	(KP)	(Amary)	Peng	(Page)	Popula	Prog	Den	Cons	pros	pm9	Com	ong



13.	PAWAR LAXMIKANT BHAIRAVNATH	010	pla	pla	RIE	No	Ab	Ule	no	Die	RLE	Ro	RA
14.	BHANDARKAVATE VITTHAL BHIMRAY	W	Win.	No.	Marin	Ab	M. W.	April 1	die	Spine	Mar	ship	ahir
15.	MUCHANDI SHASHIKALA SHRISHAIL	3	and the	85	88°	88°	488	SAN	485	Bb	850	es.	Db
16.	SUSALAD BILENSIDDA SHIVANNA	(Des	But	B	B	B	0	BB 1	B	B	Bu	B	B
17.	LONI RAJASHRI BALAPPA	MS.	Jorg to	150	dela	1000	FED O	10/10	200	100	100	800	100
18.	SANADI SUKHADEV SAMBHAJI	4	200	eggs	90	Sper	200	48	90	cono	900	AB	gu
19.	BIRADAR SOMANGOUNDA SHANKAR	350	550	550	550	560	988	668	558	668	568	668	658
20.	KUMBAR ANAND GANAPATI	W	BH	GP.	Ber	GAP	Cott	BOAT	641	EFF	CA	09	PA
21.	CHOUGULE SUREKHA MAYAPPA	W	and a	MP	000	(C)	60	Ab	100 A	OF I	W	00	100
22.	GOBBI GANESH PRABHULING	0,0	Pope	Photos	pode	pole	Ph	Poter	Dodak	Derke	Desku	pode	DE
23.	RUPANAVAR YOGESH JAKKAPPA	40	Boh	Tel	Sup	Age.	By	1804	axes	Ph	your	week	yes
24.	ANKALKOT SHIVASHANKAR SHRISHAIL	ahe	alega de	elside.	disto	ahaista	dride	digal	daid.	the state	Stredal	Svigal	de
25.	MADABHAVI SACHIN SANGMESH	Cal !	Codes	code	Soules	cochen	col	Sock	Ab	so ko	code"	Souli	gol
26.	UMARANI SHRIDHAR MALLIKARJUN	V	W.	3 ac	NO NO	300	3 Br	ya.	yo	40	Jon Sept	题	此
27.	SAWANT DAYANAND SHAHAJI	2×	203	e got	aged	agrid.	eg ^X	god X	egy	Ab	85ªX	gg.k	28×
28.	KARAJAGI AKSHATA SURESH	K.Ag	KAA	K. AG	K-AS	¥.AS	v.AS	KA5	KAS	K-45	K-A-S	K-A-S	K-A
29.	KOTAGOND OMKAR SANJAY	\$	gy	ay c	gr.	BU	Ox	gr	gy.	GK	Ot	ge.	OK
30.	BIRADAR MAHESH MAHADEV	M	19g	19/4	My	My	My	My	My	My	My	12/2	M
31.	TUPSOUNDARYA SHREYASH MAHADEV	Sept.	Six Six	egin	Sold Sold	em?	49mil	Bb	Shi	an.T	SW.T	Ab	gre gre
32.	BIRADAR SACHIN MALLIKARJUN	30k	Sol	Sob	Sub	ВЬ	Sole	Sep	Seb	Enk	Bb	She .	Tenh.
33.	JAMAGOND BHIMANNA MALLIKARJUN	N.	Bline	akins.	elma	Dhina	Rhina	chim	phina	Rhino	elima	d) mer	Bhim



40.	AKKI VINOD ARUN	EL.	MR	ALC.	AND	ALP	ANR	PHE	Mb	PP.	AR	Pro	AVR
39.	RATHOD SANDESH GOVIND	50"	584	Sgr	Seri	Sor	ST	Syr	Sgr	Si	Sgr	Syr	Syr
38.	AWATI VIJAYALAXMI CHANNAPPA	426	V-C-R	w.C.A	4-C.A	V.C.#	y.C.A	y-c-A	V.C.A	YC-P	v.c.p	v.c.a	4.0
37.	MALHALKAR ARUN BABASO	Agr	Asm	Pan	Aim	Agra	Bb	Amn	Amo	Aim	Am	Aim	Air
36.	SUTAR SONALI RAJENDRA	EX.	SK.	Sel.	SEL	Sel.	8	SER	SK	贴	SK	SER.	SH
35.	SHINDE VAIBHAV VILAS	106	V.¥5	v-v-5	V-V-5	v.v5	v.v.5	v. V.5	v-V-5	v.v5	v-V4	Y-1/5	V-U-
34.	KOLAKAR BASAVARAJ RAJAPPA	Boks	Bok.	Bok	Ball	Bak	Bok	Bak	Bl	肚上	Fok	Bak	D-I



Head
Department of Zoology
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& Science College Sankh
Tal. Jair., Dist. Sungil



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Department of Zoology

Year: 2022-2023

Atendance Sheet

Sr.no.	Name of the students	16 De	De c	19 De	De c	21 Dec	22 Dec	23 Dec	24 Dec	26 Dec	27 Dec	28 Dec	29 Dec
1.	KATRAL PRAKASH MADANNA	@ A	(Quality	O'A	@x*	Oyal Mark	Ab	Post	D.M	@gran	@ A	Dell .	But
2.	KULANGI PAVAN PRABHAKAR	PORTO	Payag		POTE S	payers	KONET	Ab	Peters	payer	payer	pavers	payer
3.	SAWANT ASMITA MOHAN	(Beat	3-1	Bak	-		Berk		-	Revis		Rech	-
4.	MULLA ISMAIL BADESAHEB	1.00	3.00	1.90	1.00	1.00	2.00	5.20	J. 0.00	7.6M	Bb	1.68	1.8.5
5.	BIRADAR BALACHANDRA BABURAY	3	4	3	鱼	46	1	Pa	9	Ab	多	多	多
6.	SHINGADE SUNIL DASHARATH	sur!	Gunil	Guri	GLECT	gunt	wait	may	burn	Garal	4um	600	- Gari
7.	NAGANE MAHESHWARI SAMBHAJI	Sh.	Sp-	Ab	Ser.	Ser	Sp	· SM	Su	SQ1	Son	Sa	20
8.	MORADI VIRESH SURESH	Mar	OBJECT-	So		rego	Vyo.	1849	Ser	you	May .	Spir	Spir
9.	VAGHOLI ANIL SAHEBGOUDA	Arril	Bril	oril	peil	soil	Ab	pol.	peril	poil	poil	poil	pol
10.	KARAJANAGI BASAVPOOJA MAHADEV	VAL	Vas	You	24	405	Ves	Vas	YPE,	VP,	胎	4	1485
11.	WAGOLI ASHOK GURUPAD	Blace	Aga:	Agai	Agus	Bu	A6	89º	Bgos	Bur	1900	Agai	Apr
12.	GEJJI ANAND MURIGEPPA	my	preg	Post	prus	pm ²)	pring	press	Pmg	prig	Ab	Ab	prog
13.	PAWAR LAXMIKANT	as	Pro	he	Reb	les	Res	Res	les	Re	Als	RE	PLB



	BHAIRAVNATH	-		1	1				,	7	1	1	100
14.	BHANDARKAVATE VITTHAL BHIMRAY	7/4	April 10	distre	April 1	ph	Alle	A Sec	de	Par	Brito	Hill	Phi
15.	MUCHANDI SHASHIKALA SHRISHAIL	295	485	pl	25	288	428	88	eson.	285	-86°	188	200
16.	SUSALAD BILENSIDDA SHIVANNA	8	0	8	0	B.	8	Ab	B-3	8	0	B	8
17.	LONI RAJASHRI BALAPPA	1900	100	800	80	NEW STATE	pd pd	10%	10%0	100	粒	180	Y
18.	SANADI SUKHADEV SAMBHAJI	Caro.	com	4000	1	Caro	9000	000	400	930	pb	900	8
19.	BIRADAR SOMANGOUNDA SHANKAR	6580	058	450	450	65.8	550	658	6.58	558	Ab	40 48	B
20.	KUMBAR ANAND GANAPATI	ast.	CAR	CAR	CA	pd	139	CAM	CA	Of	09	CAT	भी
21.	CHOUGULE SUREKHA MAYAPPA	6	(mg)	63	Bb	00	63	000	03	09	M	601	00
22.	GOBBI GANESH PRABHULING	Ooks	pole	Bb	poe	EN	VOS	noch	000	at .	nich	ped	pool
23.	RUPANAVAR YOGESH JAKKAPPA	North.	apart.	Joseph	Вb	No. of Street, or other Persons	Jan.	Mer	300	agady	Mak	Mark	Nege-
24.	ANKALKOT SHIVASHANKAR SHRISHAIL	XX	died	2 Great	die	det	deep	4	No. of	& Sol	del	Lord	المحال
25.	MADABHAVI SACHIN SANGMESH	and the	Legit .	est	ph	excle	cole	extension of	code	cocks	10th	Coll	400
26.	UMARANI SHRIDHAR MALLIKARJUN	yc,	400	奶	to o	40	No.	the same	400	you	Ung.	1200	40
27.	SAWANT DAYANAND SHAHAJI	48°	eg X	age×	48X	196	28×	agh.	28K	280	est.	ages -	280
28.	KARAJAGI AKSHATA SURESH	K-A5	K-AS	R.A.	K-95	KAS	AL	K-85	KAS	K-45	KAS	KAS	- K-
29.	KOTAGOND OMKAR SANJAY	ex	OK.	OK	SP	OK	Ab	ge.	Q.	9K	OK.	p6	De
30.	BIRADAR MAHESH MAHADEV	Mo	MAG	1940	19	192	My	Ab	M	Mg	My	M	My
31.	TUPSOUNDARYA SHREYASH MAHADEV	4m5	An	48mg	-gr	Smil	Auto	emil	Ab	SMOT	egni)	SMST	Sul
32.	BIRADAR SACHIN MALLIKARJUN	Sol	Sorb	Sale	Ab	Sole	145	Sab	Solo	Cale	26	Sah	Sul
33.	JAMAGOND BHIMANNA MALLIKARJUN	Shire	phron.	phina	Palyan	epho	china	Edino.	phina	phima	phino	phina	ehim
		Shike?	Ophress	Byling	SPINS	6pmg	China	Edino.	Pohima	phima	nhina	6	n. ma



	BASAVARAJ RAJAPPA	Box	Bak	Bak	Bok	Pak	Bak	Bak	Bok.	Park.	Bok	Bok	Buk
35,	SHINDE VAIBHAV VILAS	1.45	V#5	y.v.5	V.V-5	V.V.5	v.v.5	y.v.5	4.45	v.v.5	V-45	U.V.5	V-V-6
36.	SUTAR SONALI RAJENDRA	esk.	SH.	30	业	ELL	Ab	SER	SP	SEP.	91	dip.	SEP
37.	MALHALKAR ARUN BABASO	Am	Pin	Asm	A.	Phin	Fig.	Agn	Alim	1100	Asi	Asim	A
38.	AWATI VUAYALAXMI CHANNAPPA	V.C.A	v.c.A	V.C.A	V.C.A	y.C.fi	77.	v.C.A	WCA	v-C-A	v.C.A	r.C.A	v.C.
39.	RATHOD SANDESH GOVIND	€96	≤ 4 0°	Ab	Squ	500	SAL	Syr	Sagar	Bb :	SON.	500	Syx
40.	AKKI VINOD ARUN	AR	Bb	BE	EUR	AR	AVIL	BUL	ALL-	PAR.	ALL	AL	AM



Head
Department of Zoology
Shri R. K. Fell A. Io. Commerce
& Science Cellura, Sankh
Tal. Jam, Mar. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code : 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Zoology

Year: 2022-2023

Atendance Sheet

Sr.no.	Name of the students	30 Dec	31 Dec	Jan	2 Jan	Jan	4 Jan	5 Jan	6 Jan
L	KATRAL PRAKASH MADANNA	Quali	@youth	Quel.	AB	(Both	Bull	Bull	Quell
2.	KULANGI PAVAN PRABHAKAR	Dans 3	pavag	pavas	payer	payare	Ab	payaro	payers
3.	SAWANT ASMITA MOHAN	Alors		Plens	Ab	Bernila		-	Bond
4.	MULLA ISMAIL BADESAHEB	1.8.00		1.0.1	1-B#	7.8.M	g.e.m	1-8.5	1.0.1
5.	BIRADAR BALACHANDRA BABURAY	Be	鱼	数	县	Ab	3	参	金
6.	SHINGADE SUNIL DASHARATH	dual	marile	Level	400il	sagel	40.98	Suni	sunil
7.	NAGANE MAHESHWARI SAMBHAJI	Spe	Spe	gr.	au.	eor	em	881	de
8.	MORADI VIRESH SURESH	Ab	Spor	Spir	SPP	NA P	Sucr	Spr	1899
9.	VAGHOLI ANIL SAHEBGOUDA	pril	mil	Anil	Ab	Amil	here	per	per
10,	KARAJANAGI BASAVPOOJA MAHADEV	VAS,	YAS/	Very	Vas	Pb	Mes	Voye	Vas
11.	WAGOLI ASHOK GURUPAD	Box	Ab	Agen	Am	DOU-	Ago	Egal	Mar.
12.	GEJJI ANAND MURIGEPPA	pmg	pres	Pmg	Pug.	pris	Ab	png	Ang
13.	PAWAR LAXMIKANT BHAIRAVNATH	Re	Rip	Rip	Re	no	Rs	Rys.	PLE



14.	BHANDARKAVATE VITTHAL BHIMRAY	opposi	9/46	State	No.	april 0	Xim	Blok	Photo
15.	CONTRACTOR OF THE PROPERTY OF	25	485	Sac	195	EBIN	- San	488	28
16.	SUSALAD BILENSIDDA SHIVANNA	0	0	0	9	8	Ber	B	B
17.	LONI RAJASHRI BALAPPA	18/3	100/20	100 No.	60%	0 8%	1000	800	100
18.	SANADI SUKHADEV SAMBHAJI	go	2000	Car.	aga	gra	gar.	eggs.	800
19.	BIRADAR SOMANGOUNDA SHANKAR	5.68	658	458	958	5.50	668	5.58	5.6A
20.	KUMBAR ANAND GANAPATI	un	CF	CA	en	099	CA	egal	0
21.	CHOUGULE SUREKHA MAYAPPA	mer	Wor	(Car	1	(Capel	Ma	(Me	000
22.	GOBBI GANESH PRABHULING	perbu	poder	Dest	100 b	posto	posts	parke	post
23.	RUPANAVAR YOGESH JAKKAPPA	alogh	day.	N. A.	west	die	of the	expain	cher
24.	ANKALKOT SHIVASHANKAR SHRISHAIL	hold	desid	Jake	do	glade	doub	chest	alor
25.	MADABHAVI SACHIN SANGMESH	1/2 Dales	Sandin	godk	400	(pdi)	Joseph	400	sode.
26.	UMARANI SHRIDHAR MALLIKARJUN	Uso o	400	WO	Un	Vago	Ukm	400	Vary
27.	SAWANT DAYANAND SHAHAJI	48×	agent.	age X	age &	agel	Ab	aget	250
28.	KARAJAGI AKSHATA SURESH	K-85	KAS	K.A.S	KA5	K-95	K-#-5	KAS	KAS
29.	KOTAGOND OMKAR SANJAY	ØK.	OK	08	OK,	OK.	08	OR	ok
30.	BIRADAR MAHESH MAHADEV	14	Mg	My	My	My	199	My	May
31.	TUPSOUNDARYA SHREYASH MAHADEV	E Chil	ABOT .	4mis	80.1	Sanis	Smel	SMI	Sp.
32.	BIRADAR SACHIN MALLIKARJUN	Sop	god-	Sol	Selo	eggh	Enk	ent-	Sol
33.	JAMAGOND BHIMANNA MALLIKARJUN	ph:no	Bhime	ELima	phina	phino-	phina	phine	ohins
34.	KOLAKAR BASAVARAJ RAJAPPA	Bok	Bole	Bak	Bak	Pok	Bak	Dok	Balc
35.	SHINDE VAIBHAV								-



	VILAS	V.45	V.V.5	V.45	4.46	V-V-5	V-V-5	V.V.G	V-V-5
36.	SUTAR SONALI RAJENDRA	SH	Sel_	88R.	SEP.	SEL.	SHL.	981	SK.
37.	MALHALKAR ARUN BABASO	Alm	Also	Am	An	Am	Also	Ano	杨
38.	AWATI VIJAYALAXMI CHANNAPPA	V.C.A	VCA	V-C-A	V-CA	V.C.A	V.C.0	v.c.n	v-C-13
39.	RATHOD SANDESH GOVIND	Spa	Egrí	Sale	Egla	Spa	Sgr	Sp	590
40.	AKKI VINOD ARUN	DR.	PMP.	PAR	BYR	AVE	AVR	AVR	PAR



Head
Department of Zoology
Shri R. K. Patil Arta, Commerce
& Science College, Sankh
Tal. Jeth, Dist. Sangli

Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts,Commerce and Science College ,Sankh

Department of Zoology

Question Paper

Add on Certificate Course On Sericulture.

Marks:30

Instructions

- 1.All the questions are compulsory.
- 2. Questions to the right indicate full marks.
- Draw neat and labelled diagrams wherever necessary.

Q.1 .Long questions.[any2]

20

- a.Describe in details life cycle of Bombyx mori.
- b.Explain in brief Silkworm fungal diseases.
- c.Explain Chouki rearing

Q.2. Write short notes on following[any2]

10

- a.Silkworm
- b. Types of moutages
- c.Moulting in silkworm



SHIVALINGESHWAR SHIKSHAN SANSTHA

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL - JATH DIST- SANGLI.

(Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF Zoology



CERTIFICATE

This is to Certify that <u>Mr./Ms. PAWAR LAXMIKANT</u>

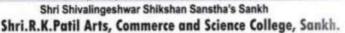
<u>BHAIRAVNATH</u> has successfully completed the Add on certificate course on "Sericulture" at Department of Zoology in the academic year 2022-23

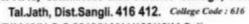
I/c. Principal,

Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangil 416 412 -06

Head

Department of Zoology Shri R. K. Petti Arts, Commerce & Sc Laus College, Sankh Tai. Jath, Lost, Sangli





Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

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Sr. No	Name of the documents
1	Information About Course
2	Objective
3	Outcomes
4	Syllabus
5	Time table
6	Examination Pattern
7	Attendance
8	Question paper
9	Result
10	List of students Marks
11	Notice
12	Report
13	Certificate



!! Dhairyam Sarvatra Sadhanam !! Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh. Certificate Course

In

"A Value Added Courses in Tourism"

Academic Year-2022-23

· Name of the Course

:A Value Added

Course in Tourism

Department

:Geography

• Course Implementation Year :22-23

· Co-coordinator Name

:K.S. Biradar

Duration

:1 Months

(30Hours)

Course Fees

:Free of Cost

Eligibility

:H.S.C . Pass

Intake Capacity

:10



II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh

Department of Geography Academic Year-2022-23

Objectives

- To Familiarize the students with aspects of tourism which have relation with the subject matter Geography.
- To orient the students to the logistics of tourism industries and the roll of tourism in regional development.
- To familiarize the students with local, regional and national tourism and tourist centers.



Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh

Department of Geography Academic Year-2022-23

Learning Outcomes

Students seeking admission for the above value added course are expected to learn and acqure the knowledge of tourism activity and tourist centers.

- Concepts and types of tourism
- * Tourism activity and recent trends in tourism
- * Asses the environmental impact of tourism
- ❖ Elaborate the concept of sustainable development of tourism



Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh

Department of Geography Academic Year-2022-23 "A Value Added Courses in Tourism"

Syllabus

UNIT I: Introduction and components of Tourism

- 1.1 Definition of Tourism and Tourist
- 1.2Geographical, Social and Cultural components
- 1.3 Significance of Tourism

UNIT II: Tourism Centers in Maharashtra

- 2.1 Natural tourism centers
- 2.2 Religious tourism centers
- 2.3 Historical tourism centers

UNIT III: Organization of Tour: Aspects of organization of Tour

- 3.1 Importance of Tour
- 3.2 Objectives of Tour

- 3.3 Economic Planning
- 3.4 Framework of Tour
- 3.5 Choice of Tourism Centres
- 3.6 Duration of Tour
- 3.7 Distance of Tour
- 3.8 Means of Transportation
- 3.9 Age Group
- 3.10 Accommodation

Reference Books:-

- 1. Bhatia A.K.: International Tourism
- 2. Bhatia A.K.: Tourism Development
- 3. Dhar Pramnath: Development of Tourism and Travel Industry
- 4. Gupta V.N.: Tourism in India
- 5. NegiJagmohan: Tourism Development and Resource Conservation
- 6. Pearce Donglas: Tourism Development
- 7. Robinson R. Geography of Tourism
- 8. Sharma K.C.: Tourism: Policy, Planning strategy.

- 9. Sinha P.C.: Tourism Marketing
- 10. Singh Shawni: Principles of Indian Tourism
- 11. Singh S.N.: Geography of Tourism and Recreation
- 12. Geography of Tourism: Distance Education Department, Shivaji University, Kolhapur.
- 13. शिंदे एस. बी.: पर्यटन भूगोल,
- 14. घारपुरेव्ही.टी.: पर्यटन भूगोल, पिंपळापुरे पब्लिकेशन, नागपूर,

(Course Coordinator)



Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh

Department of Geography

Time Table

January - February 2022-23

Day	Monday	Tuesday	Wednesday	Thursday
Time	12:30 pm to 1:30 pm			
l'eacher	KS.Birjadar	KS.Birjadar	A .S . Yalmar	A.S. Yalmar

K. S. B: prof: K. S. Birjadar

A.S.Y: prof A.S. Yalmar

Dr. K. S. Birjadar (Course Coordinator)





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DEPARTMENT OF GEOGRAPHY

ACADEMIC YEAR: -2022-23

"A VALUE ADDED COURSE IN TOURISM"

Nature of Examination

Examination Pattern: - One Paper of 100 Marks

- MCQs- 50 (Each MCQs-2 Marks)
- Total 100 Marks

Prof. K. S. Birajdar (Course Coordinator)



Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh

Department of Geography

	Sr. No.	-	73	E.	4	9	9	7	90	6	91
	Name Of the Student	BANNE VIKAS MARTAN	KARE ANJALI PUNDALI	HIRAGON D PRITAM	MANE SANDEEP VITHORA	GHODE PRIYANK A	PATIL ONKAR SURESH	WAGHE MAHESH VITTHAL	SAYALI ARJUN	MALLAD AISHWAR YA	MULLA SAMEEN
	02- 01- 2023	Jan	3	7. F.	38	Sup.	3	A	dr. 4	3	3
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	05- 01- 2023	m	3	H.P.K.	3	\$	4	M	A.C.	3	E
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	12. 202 3	W	ARB	7.8K	4.18	3	3	3	4.5.4	A CO	30



Name Of the Student	13-01-	2023	16-01-	2023	18-01-	19-01-	20-01-	2023	23-01-	24-01-
BANNE VIKAS MARTAND	HW.	M	my	M	Truck	SW	M	18	148	M
KARE ANJALI PUNDALIK	3	Song.	Book	BUS BUN BUN	AND THE		3	AB	B	Bus
HIRAGOND PRITAM KADESHA	H.P.K		HPK HPK-HPK. HPK.	H.P.K.	H.P.K.	ARB	HP.K.	нрк	H.P.K	H.P.K.
MANE SANDEEP VITHOBA	SA SA	SMS	M	Sw	MA	my	RB	June June	M	M
GHODE PRIYANKA PRAKASH	Gr.	Sw Day	800	3	and and	The Company	F.	and and	AND ON	Gunf.
PATIL ONKAR SURESH	2	3	3	2	288	Re	2	A	2	PC
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KUTE SAYALI ARJUN	A. 2.7	李	AS. T	4.8.4	4SA	K6.A	A8	THER	G27	A ST
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Shri R. K. Patil Arts, Commerce and Science College, Sankh Department of Geography

Sr. No.	_	64	m	4	w	9	1	00	6	01
Name Of the Student	BANNE VIKAS MARTAND	KARE ANJALI PUNDALIK	HIRAGOND PRITAM KADESHA	MANE SANDEEP VITHOBA	GHODE PRIYANKA PRAKASH	PATIL. ONKAR SURESH	WACHE MAHESH VITTHAL	KUTE SAYALI ARUN	MALLAD AISHWARYA ATJUN	MULLA SAMEENA MAINLIDOIN
25- 01- 2023	至	N C	7.6.4	3	3	2	33	EST	4	7
27- 01- 2023	12	4 sp	HR	3	8	Pos	3	Sa .	(A)	B
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30- 01- 2023	M	K	7.5K	M.	900	E	M	K.SA.	BA	3
31-	AB	Z	H.K	M	B	Red	3	4 Tr	多	3
01- 02- 2023	3	F	NEL	3	3	Z	3	4 ST	AND WAS	1
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03-	AB	R	**	M.	3	A	SAN	FOA	40	Sep.
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2023	B	R	HPKNP.K	3	B.D.	6	3	No.A	3	AB



श्री आर के पाटील कला वाणिज्य विज्ञान महाविद्यालय संख भूगोल विभाग

A Value Added Course in Tourism (मूल्य वर्धित अभ्यासक्रम - पर्यटन) परीक्षा -२०२३

वार:- शनिवार, दिनांक:- ०६-०2-२०२३

वेळ - सकाळी ०८:०० ते ११:००

एक्ण गुणः १००

सूचनाः १. सर्व प्रश्न आवश्यक आहेत.

२. प्रत्येक उपप्रश्वास दोन गुण आहेत.

प्रश्न १. खाली दिलेल्या प्रश्नांसाठी योग्य पर्याय निवडा.

- 1) काश्मीरमधील कोणती व्हॅली पर्यटनाच्या इस्टीने प्रसिद्ध आहे?
 - A) रिफ्ट व्हॅली B) किदार व्हॅली C) सायलेंट व्हॅली (D) तेहरी व्हॅली
- 2) आनंद उपभोगण्यासाठी कोण प्रवास करतो?
 - A) विद्यार्थी (B) व्यापारी C) शास्त्रज्ञ
- 3) अलीकडे पर्यटनाचे स्वरूप कसे बनले आहे?
 - C) आनंद A) चित्रात्मक (B) गतिशील (D) वर्णनात्मक
- 4) खालीलपैकी कोणती पर्यटन प्रेरणा अस् शकत नाही?
 - A) शारीरिक आराम B) शारीरिक आरोग्य C) पारंपारिक (D) वेतन
- 5) महाबळेश्वर हे थंड हवेचे ठिकाण कोठे आहे?
 - A) पुणे जिल्हा B) सातारा जिल्हा C) सांगली जिल्हा (D) सोलापूर जिल्हा
- 6) "निसर्ग पर्यटन" हे काय म्हणून ओळखतात



A) सुट्टीचे पर्व	टनछ) सागरी पर्यटन	C) বন্	हाळी पर्यटन	D) हवाई पर्वटन
s) "जोग" वनधवा व	ोणत्या नदीवर बाहे	*		
A) गंगा	B) कावेरी	C) An	गा	D) शरावती
9) पर्यटगातील आसुनि	क संकल्पना कोणती	बाहे?		
A) कृषीपर्यंटन	r B)ऐतिह	ासिक पर्यटन	C)प्रवास पर्व	टन D)सामाजिक पर्दंटन
10) चंद्रमागा नदीच्या	तीरावर कोमडे पवि	व धार्मिक ठिक	ाण बाह्रे ?	
A) व्यवीध्या	B) बारा	नसी	C) गया	D) पंबरपूर
11) पर्यटनामुळे खानी	त्तपैकी कोणवा फाय	दा होतो?		
A) राष्ट्रा-राष्ट्र	रांगध्ये कलह	B) दोन	देशांमध्ये कत	4
C) बांवरराष्ट्री	व सामजस्य	D) =1	रराष्ट्रीय कनह	
12} "पर्यटन" या शब्द	ाची उत्पत्ती कोणत्य	तब्दापासून स	ानी बाहे?	
A) मेंटिन	B) फ्रेंच	C) दव	D) \$	ीं क
13) पर्यटनाच्या व्याक	येमध्ये खालीलपैकी व	न्ताचा समावेत	होत नाही?	
A) जनिवासी	व्यक्ती	C) =1	डीचे वास्तव्य र	रोजगराच्या उद्देशाने
B) नस्थायी र	वरूपाचे वास्तव्य	D) sqr	शिवे बारतन्त्र र	तेजनाराच्या उद्देशाने नसमे
14) खालीलपैकी पर्यंट	नाच्या स्वरूपामध्ये	समाविष्ट न होप	गरा घटक कोण	rat?
A) गौगोलिक	स्वरूप B) करमणूक	स्वरूप C) सी	कृतिक स्वरूप	D) उत्पादन स्वरूप
15) जगात नार्षिक सूर्	निनी कल्पना सर्वप्रम	म कोणत्या खंड	मध्ये उदयास	वानी?
A) वाशिया	B) बुरोप	C) ৰা	मेका D)	बॉस्ट्रेलिया
16) सच्या जनात सर्वा	त वेगाने वादणारा व	वनसाय कोचता	महे?	
A) वेकरी	B) मासेगारी	C) पर्वटन	D) साबर	कारबानदारी
17) बालीलपैकी कोण	ता प्राकृतिक चटक प	र्वटनामध्ये महर	वाचा ठरतो?	
A) बाहतक	B) निसर्ग सौंद	र्ग () जनसिंद	ल D) सेर्स	1

(A) कृषी पर्यटन B) साहसी पर्यटन C) शाश्वत पर्यटन (D) वारसा पर्यटन

18) "राधानवरी बधवार	(ण्य" कोणत्वा बन	यजीवासाठी १	रसिद्ध बहे?	
A) বাব	B) गवा	C) गेंद्रा	D) हत्ती	
19) कोणत्वा देशाच्या व	र्वजनस्थेमध्ये पर्व	टनाचा बाटा	सर्वाधिक बाहे?	
A) वॉस्ट्रेनिया	B) बेटब्रिटन	C) स्वि	त्सर्नंद D) जर्मनी	
20) बालीलपैकी पर्यटना	थी कोणती संकल्प	ाना बाधुनिक	आहे?	
A) बानंद पर्यटन	B) करमणूक प	ार्षटन C) उ	न्हाळी पर्यटनD) कृषी	पर्यटन
21} पर्यंटनाच्या विकासा	मध्ये कोणता घटन	परिणामका	रक ठरत नाही?	
A) हवामान	B) বনম্বানী	C) पर्व	व D) उद्योगध	पि
22) "पर्यावरणीय पर्वटन	" वा संकल्पनेमध्ये	वालीलपैकी	क्ताचा समावेश होत	नाही?
A) बन्य प्राण्यांचे	संबर्धन	B) नैसर्गिक व	नसंपदेचे जतन	
C) पर्वावरणीय	प्रदूषण	D) 9	विवरण संवर्धन	
23) न्या पर्यटनामध्ये वी	त किंवा बोनहून व	ास्त व्यक्तींचा	। समावेश बसतो, त्या	पर्यटनास काम म्हणतात
A) बाबगी पर्यट	न B) व्यक्तिगत	पर्यटन C) स	ामूह पर्यटन D) व्यक्ति	गत व खाजनी पर्यटन
24) साप्ताहिक सुट्टीची सं	कल्पना सर्वप्रथम	कोणत्या देशां	मध्ये सुरू जाती?	
A) वफगानिस्ता	न B)वेलिज	ч ч С)	कैनदा व इटली 🛚 🛚)) इटमी
25) पर्यटनाच्या बाढीवर	परिणाम करणार	वार्षिक चटा	क कोणता बाहे?	
A) यंत हवेची रि	इकाणे	B) शबस	न्याची ठिकाणे	
C) समुद्रकिनारी	ठिकाणे	D) बाहतु	कीची साम्रने	
26) बयोध्या नगरी कोण	त्वा नदीच्या तीरा	वर वससी अ	हे?	
A) चावरा	B) गंदक		C) कोसी	D) शरावती
27) खालीलपैकी कोणते	वंड हवेचे ठिकाण	नाही?	PERSONAL PROPERTY.	0.08(0.090)
A) मसूरी		District.	C) महाबळेश्वर	D) मारलेखर
28) जासाममधीन "कार्स			The second second	44411
008000	10. w/A-		O == 654 3=	and the same of th

29) बारतामध्ये पर्यटनाचा विकास होण्याच्या दृष्टीने खालीलपैकी कोणती संस्था कार्यरत आहे?

A) ITDC

B) MTDC

C) ICTD

D) MCTD

30. "नेट वे ऑफ इंडिया" हे पर्यटनाचे आकर्षण केंद्र कोणत्या समुद्रकिना;चावर आहे?

A) हिंबी महासागर B) बरबी समुद्र

C) कॅरियवन समुद्र D) भूमध्य समुद्र

31. खालीलपैकी प्राचीन कालखंडातील पर्यटन स्थळ कोणते उन्हे ?

A) महाबळेश्वर

B) नोणावळा C) काशी D) कलकत्ता

32. बालीलपैकी कोणत्वा देशाच्या अर्थव्यवस्थेमध्ये पर्यटनाचा वाटा उक्लेबनीय आहे?

A) भारत

B) U.S.A C) पाकिस्तान

33. MTDC चे मुख्यालय कोठे आहे?

A) मुंबई

B) पुणे

C) नागपुर D) कोल्हापुर

34. जबोध्या हे खालीलपैकी कोणते पर्यटन स्थळ जाहे?

A) नैशर्गिक B) प्राकृतिक C) धार्मिक D) शांस्कृतिक

35. हिंदू धर्मियांचे दक्षिण भारतातील प्रसिद्ध पर्यटन स्थळ कोणते?

A) बनारस B) देवप्रयाग C) विरुपती D) पंडरपूर

36. शरावती नदीवर कोणता धवधवा नाहे?

A) सुवांधार B) जोग

C) सहस्रवारा D) नावगारा

37. राजस्थानमधील बंड हुवेचे ठिकाण कोणते ?

A) उटी B) शिमला C) दार्जीलिंग D) माउंट जबू

38. काझीरंगा अभयारण्य कोणत्या प्राण्यासाठी प्रसिद्ध आहे?

A) गेंदा

B) नाप

C) सिंह

D) नीलगाय

39. 'सरदार बल्लम माई पटेल' गांचे स्मारक कोणत्वा शहरात आहे?

A) बहमदाबाद B) गांधीनगर

C) बढोवा D) मुरत

40. नृसिंहवाडी हे तीर्पक्षेत्र कोणत्या नदी वीरावर वसने आहे?

A) पंचर्यमा B) कृष्णा C) भोगावती D) वारचा



41. कोणत्या शहरास पर्यटन राजधानी म्हणून खेळखठात ?

A) पुषे B) मुंबई C) नामपूर D) औरंगाबाद

42. चितोडगड किल्ला कोणत्या राज्यात सहे?

A) राजस्थान B) कर्नाटक C) मध्यप्रदेश D) महाराष्ट्र

43. बूंदावन गार्डन कोणत्वा राज्यात आहे?

A) राजस्थान B) कर्नाटक C) मध्यप्रदेश D) महाराष्ट्र

44. उंट महोत्सव कोणत्या राज्यात सावरा केला जातो?

A) राजस्थान B) गुजरात C) मध्यप्रदेश D) महाराष्ट्र

45. पर्यटन नियोजनामध्ये सर्वात महत्वपूर्ण घटक बाहे?

A) पर्वटन स्वळांची निवद B) पर्वटनाचा कालावधी/ऋतू

C) वाहतूकीची साधने D) पैशाचे नियोजन

46. पर्यटम नियोजनामध्ये खालीलपैकी कोणत्या घटकाचा समानेत होत नाही ?

A) पर्यटन स्थळांची निवड B) पर्यटनाचा कासावधी/ऋतू

C) बाहतुकीची साधने D) पर्वटकांची संख्या

47. स्रवपती शिवाची महाराजांचे मंदिर कोजत्वा किल्वावर आहे?

A) सिंधुदुर्ग B) तोरणा C) पुरंदर D) सिंहगड

48. जंजिरा हा कोणत्या जिल्ह्यातील प्रमुख जलदुर्ग जहे?

A) रवानिरी B) रावनड C) सिंबुहुर्ग D) ठाणे

49. कृष्णा व कोयनेच्या संगमावर कोणते शहर वसने बाहे?

A) महाब B) कराब C) कोल्हापूर D) ठाणे

50. बिद्रापूर नेजी कोणत्या जिल्ह्यात बाहेत?

A) रवाविरी B) कोल्हापूर C) सिंचुदुर्ग D) ठावे

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DEPARTMENT OF GEOGRAPHY

ACADEMIC YEAR: -2022-23

"A VALUE ADDED COURSE IN TOURISM"

Result & Distribution Of Certificates

Date :- 08th Feb, 2023

Sr no	Name of the student	Class	Marks obtained
01	Banne Vikas Marthand	B. A II	95
02	Kare Anjali Pundalik	B. A II	86
03	Hiragond pritam Kadesh	B. A II	90
04	Mane Sandeep Vithoba	B. A II	92
05	Ghode Priyanka Prakash	B. A II	84
06	Patil Omkar Suresh	B. A II	86
07	Whage Mahesh Vittal	B. A II	90
08	Kute Sayali Arjun	B. A II	92
09	Mallad Aishwarya Arjun	B. A II	90
10	Mulla Samina Mainuddin	B. A II	92

K. S. Birjdar (Course Coordinator)





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DEPARTMENT OF GEOGRAPHY

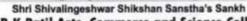
ACADEMIC YEAR: -2022-23

"List of Students "

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दिनांक: 12/02/2023

नोटीस

बी.ए. भाग तीन भूगोलाच्या सर्व विद्यार्थ्यांना याद्वारे कळविण्यात येते की तुमचे प्रमाणपत्र मार्गदर्शक वाटप या सोबत जोडले आहे. हे सर्व विद्यार्थ्यांसाठी अनिवार्य आहे. म्हणून, आपल्या प्रमाणपत्र मार्गदर्शकाच्या संपर्कात रहा आणि आपले प्रमाणपत्र पूर्ण करा.

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DEPARTMENT OF GEOGRAPHY

ACADEMIC YEAR: -2022-23

"A VALUE ADDED COURSE IN TOURISM"

REPORT

In the academic year 2022-23 department of Geography runs a value added course at B.A.Il level. The name of the course is "A Value Added Course in Tourism'. There are 10 students enrolled for this course. The duration of course is 30 Days (02.01.2023 to 06.02.2023) and this course was free for students. The faculty of the department taught the syllabus of the course there are three units in the syllabus of the course. The course has practical base it is completed successfully by the students of Geography at Second year.

Departs Shri R

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Commerce Sangle Sangle

SHRI SHIVALINGESHWAR SHIKSHAN SANSTHA SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH. TAL-JATH DIST-SANGLI.

(Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF GEOGRAPHY



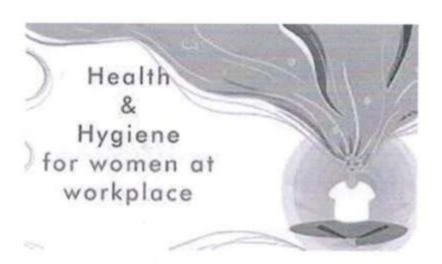
This is to Certify that Mr. /Ms. Mr. Banne Vikas Martand has successfully completed the "Certificate Course Of Preparation "A Value Added Course in Tourism" at U.G Department of Geography in R. K. Patil ACS College, Sankh. in the academic year 2022-23

..... Tal. Jath, Dist. Sangk 415412

II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course in Women Health and Hygiene



Department of Zoology Shri R. K. Patil Arts, Commerce and Science College, Sankh. Tal- Jath, Dist-Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Ref.No.

Date:01/12/2022

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: "Regarding permission to commencement of certificate Course in Women Health and Hygiene".

Respected sir,

With the reference to above subject, our Zoology department is going to conduct certificate course in Certificate Course of Women Health and Hygiene for B. Sc. Students in this year academic year (2022-23). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully
Head
Department of 7

Department of Zoology Shri R. K. Patil Arts, Chamerce & Science College, Sankh Tal, Jath, Dist, Sangli

Parmission Granted

Commerce & Commerce &

|| Dhairyam Sarvatra Sadhanam || || Dhairyam Sarvatra Sadhanam ||



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PH: 02344-299127. Mob.: (O) 7448000616.

Ref.No.

Date: 01/12/2022

Invitation Letter

To,

Mr. S. Sajjan

Head, Department of Zoology

R. R College Jath, Tal- Jath,

Dist-Sangli.416404

Subject: "Invitation for BOS meeting for the certificate Course in Women Health and Hygiene"

Dear Sir,

I am pleased to inform you that you have been appointed as a member of BOS for the certificate course on "A Certificate Course in Women Health and Hygiene." Department of Zoology is going to organize BOS meeting on 05/12/2022 The meeting will start at 11.00 am. I expect that you will accept our invitation and oblige

Thanking you

Yours faithfully,

Department of Zoology Shri R. K. Patil Arts, Commerce & Science College, Sanith Tal. Jam, Dist. Sangli





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Department of Zoology

Certificate Course Women Health and Hygiene Meeting Notice

The meeting of the members of BOS in certificate course in Women Health and Hygiene is conveyed on 7th December 2022 for the preparation of syllabus.

Name	Position	Signature
Dr. S.P. Dalawai	Chairman	Police.
Mr. G.S. Mali	Co-rodinator	688
Mr. S.D. Gobbi	Member	- goodha'
Mr. B.R. Madgyal	Member	Bradwed
	Dr. S.P. Dalawai Mr. G.S. Mali Mr. S.D. Gobbi	Dr. S.P. Dalawai Chairman Mr. G.S. Mali Co-rodinator Mr. S.D. Gobbi Member

Hearl To Zoology De Arts, Commerce Shri F L Sangli

Principal I/c. Principal,

Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412



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Department of Zoology

Certificate Course Women Health and Hygiene Academic Year -2022-23

Minutes of Meeting

The meeting of the members of BOS in certificate course Women Health and Hygiene on 8 th December 2022 for the preparation of Course syllabus. The following members of present and prepared the syllabus of the above course and submitted to Co-ordinate, Shri. R. K. Patil. ACS College, Sankh.

Sr. No	Name	Position	Signature
1	Dr. S.P. Dalawai	Chairman	Therein
2	Mr. G.S. Mali	Co-rodinator	CONES
3	Mr. S.D. Gobbi	Member	Statuta.
4	Mr. B.R. Madgyal	Member	Pard94al

HOD

Head
Department of Zoology
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli

Principal

Vc. Principal, Shri R. K. Patil Arts, Commerce Science College Sarah, Tal. Jath, Dist. Sangli 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Email: College: rkpcollegesankh@gmail.com ** Email: Vidyapeetha: rkp616.Ct@unishivaji.ac.in



Introduction:

Generally women heath does not take care of themselves according to Indian culture each and every year look after all family member excluding herself. The Culture does not allow doing some hygienic thing which is requiring in case of every woman. It is our try to make the women strong by heath and mind too. This course will provide at least some basic knowledge about.

Objective:

To impart knowledge of heath is the basic aim of this course.

The girl's students accepted to acquire the knowledge of heath and hygiene.

To understanding the scientific methods of first aid.

To understand self body structure and functions.

Duration and Intake Capacity -

Duration	Awards	Intake Capacity	
03 Months	Certificate	30	

Contents:

Topic 1	Understanding the women hood
Topic 2	Anatomy and Physiology of Women Body
Topic 3	Adolescent age – Psychological and Physiological changes in adolescence Helth and Nurition of Adolescence Girls, Problems of adolescence, Pubertal Changes, Genital Problems, Precaution and Prevention
Topic 4	Hygiene related to genital Problems
Topic 5	Menstruation Cycle, Normal Cycle, Abnormal Cycle, Emergencies



Topic 6	Sexual Relations legitimate, Non- legitimate, safe, unisafe
Topic 7	Sexually Transferred Disease
Topic 8	Pregnancy – Phenomenon, Mechanism, Sex Determination, Physiological and Psychological Changes During Pregnancy Period, Exercise During Pregnancy.
Topic 9	Child Birth- Normal Process of Pregnancy Problem and emergencies, Development of child, Nutrition, Milestones in development, Importance of Mothers milk, Blind beliefs in child Development, Immunization And Vaccination, Abnormalities, Prenatal and neo-natal care, General accidents with Children, Prevention First aid and mental intervention.
Topic 10	Being With your Family

Practical's

Visit to Gynecologist's Interview of Pregnant women, Discussion with Doctor, Observation of Delivery, Visit to Pediatric Hospital, Dressing injunction, Application of Iv injection, physiotherapy, Yoga, Massage, Preparation of Nutritious food for Pregnant Women, mother and Child.

Contacts:

Coordinator Name: Mr. G.S. Mali

Faculty Name: 1) S.D. Gobbi 2) Mr. B.R. Madgyal





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Zoology

Women Health and Hygiene B.Sc – I Academic Year -2022-23

List of enrolled students

Sr.No	Name of Student
1	Sutar Sonali Rajendra
2	Shendage Shashikala Devendra
3	Arali Revati Shrikant
4	Badakundri Pratibha Shivanand
5	Bastwad Suchitra Ramesh
6	Bhandare Saniya Lalsab
7	Chougule Surekha Mayappa
8	Devkar Pratiksha Nitin
9	Gaikwad Hempushpa Siddha
10	Hakke Manisha Kerappa
11	Halli Bhagyashree Siddanna
12	Hiremath Vrunda Shivashankar
13	Karajanagi Basavpooja Mahadev
14	Karape Kajal Siddhu
15	Karoli Supriya Sangappa
16	Loni Rajashri Balappa
17	Mali Amruta Prakash
18	Muchandi Shashikala Shrishail
19	Mundewadi Priti Ashok
20	Nandagaon Rani Shivanand
21	Rathod Shilpa Natu
22	Sawant Asmita Mohan



Head
Department of Zoology
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Head
Department of Zoology
Shri R. K. Fett Arts, Commerce
& Science College, Cankh
Tel. Jeth, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

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Women Health and Hygiene Academic Year -2022-23 Timetable

Sr. No	Time	Day	Day
1	3.30 to 4.30 pm	Monday (Lecture)	Saturday (Lecture)
2	4.45 to 5.45 pm	Monday (Lecture)	Saturday (Practical)



Head
Department of Zoology
Shri R. K. Paul Arts, Commerce
& Science Co. 199, Sankh
Tal. Jans, Cost. Sangli



Shri. Shivalingeshwar Shikshan Sanstha's Sankh Shri. R. K. Patil Arts, Commerce and Science College,

Department Of Zoology (2022-23) Women Health and Hygiene

Day and Date:

Time

Marks : 30M

Instructions: 1) select the correct alterative from the given options. 2) Each question is carry two marks.

3) All questions are compulsory

- 1) The absorption of fructose by intestinal mucosa Is.....
 - a) Co-transport mechanism b) simple diffirsion
 - c) facilitated transport

d) active transport

- 2) The gaseous exchange in alveoli is a type of
 - a) Simple Diffusion

b) Osmosis

c) Active Transport

- d) Passive Transport
- 3) Which one of the following plasma proteins is involved in the coagulation of blood?
 - a).Fibrinogen b) Serum amylase

c) Globulin

d).Albumin

- 4) Fallopian tubes are also called as --
 - a) Oviducts b) Follicles c) Fimbriae d) Latium
- The period of _ is known as adolescence.
 - a) 11 to 19 years b) 5 to 10 years c) 30 to 40 years d) 22 to 28 years
- 6)controls the changes occurring during adolescence.
 - a) Hormones (b) Enzyme (c) Lymph (d) None of the above
- 7) Ovulation generally takes Place at the of a menstrual cycle. a) day 18 b) day 1 (c) Day 8 (d) days 1
- 8) Which of these hormones does not increase during pregnancy?
 - a) Testosterone b) Progesterone (c) Estrogens (d) Human Chorionic
- 9) Who Discovered oxytocin?
 - a) John Roberts b) Ivan Pavlo (c) Charles Darwin (d) Henry Day
- 10) Which of the given Below sexually transmitted disese in completely curable
 - a) Trichimionsis b) Genital herps (c) Hepatitis B (d) HIV infecti





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Department of Zoology

Women Health and Hygiene Result Academic Year 2022-23

Sr.No	Name of Student	MCQ (20)	Oral (10)	Total out of 30
1	Sutar Sonali Rajendra	18	8	26
2	Shendage Shashikala Devendra	16	7	23
3	Arali Revati Shrikant	14	8	22
4	Badakundri Pratibha Shivanand	16	7	23
5	Bastwad Suchitra Ramesh	16	8	24
6	Bhandare Saniya Lalsab	18	6	24
7	Chougule Surekha Mayappa	16	8	24
8	Devkar Pratiksha Nitin	14	8	22
9	Gaikwad Hempushpa Siddha	16	7	23
10	Hakke Manisha Kerappa	14	6	20
11	Halli Bhagyashree Siddanna	14	5	19
12	Hiremath Vrunda Shivashankar	16	6	22
13	Karajanagi Basavpooja Mahadev	18	7	25
14	Karape Kajal Siddhu	16	8	24
15	Karoli Supriya Sangappa	14	6	20
16	Loni Rajashri Balappa	14	7	21
17	Mali Amruta Prakash	12	8	20
18	Muchandi Shashikala Shrishail	14	7	21
19	Mundewadi Priti Ashok	16	8	24
20	Nandagaon Rani Shivanand	14	7	21
21	Rathod Shilpa Natu	12	7	19
22	Sawant Asmita Mohan	16	8	24





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616 Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

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Department of Zoology Women Health and Hygiene Academic Year -2022-23

REPORT

Department of Zoology runs a Short Term Courses Women Health and Hygiene" Only for girls students of all Faculty streams. During this academic year there was good response from the students then also for continuity of the course the department is taking efforts to run the same course. This year 22 students participated in this course. The lectures are conducted in the department of zoology by the faculty members along with the Practical's. The course syllabus contains all the informative topics concerned with women health and hygiene. The practical's are conducted in the department of in which the first aid, measuring the blood Pressure, Pulse, Hemoglobin etc. are demonstrated in the participants. The practical's like intravenous injections, parturitions, dressing and nursing are demonstrated in the nearby hospital under the guidance of expert doctor and nurses. The nominal fees Rs.500 (Rupees Five Hundred only) Is collected from the participant girls for the enrollment in this course.



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Head
Department of Zoology
Shid R. K. v. II Arts, Commerce
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Head Department of Zoology Shri R. K. Paul Arts, Commerce & Science College, Sankh

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH.

TAL - JATH DIST- SANGLI.
(Affiliated to Shivaji University, Kolhapur)
DEPARTMENT OF ZOOLOGY



CERTIFICATE

Co-ordinator

Head

Department of Zoology Shri R. K. Peta Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli Dr. Dalawai S.P I/C Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Sciance College, Sankh, Tal. Jath, Dist, Sangli 416 412 II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In "PREPARATION OF HOUSEHOLD CHEMICALS"



Department of Chemistry, Shri RK Patil ACS College Sankh, Tal- Sankh, Dist-Sangli

Technology of Soap: Chemistry of soap; Raw material for soap industry and their selection; hard fats yielding and oil yielding soaps; Chemical reactions of soaps; Hard and Soft soaps.

(06 Lectures) UNIT IV

Detergents and surfactants: Introduction; Different terms used in detergents; Raw materials for detergents; Washing action of detergents; Types of detergents; Introduction of surfactants.

Recommended Books: (Unit wise)

- 1. Small scale industries and house hold industries in developing economy by Shetty M.C. (Unit 1)
- Manufacture of perfume cosmetics and detergents by Prasad Giri Raj (Unit V)
- 3. Industrial chemistry by B. K. Sharma (Unit I and II)
- 4. Flavors & Essential oils, Industries SBP Board (Unit III)
- 5. Perfumes soaps & cosmetics by Poucher.(Unit III)
- Manufacture of perfumes, cosmetics and detergents by Giriraj Prasad (Unit IV)
- Manufacture of perfumes, cosmetics and detergents by Prasad. (Unit IV)

Learning Outcomes:

Unit I Household Chemicals

- The students should learn fundamentals household chemicals.
- 2. The students should define house hold products, various processes of household products
- 3. The students should explain preparations and reactions of household chemicals, history of household products.

Unit II Cleaning agents

- The students should learn fundamentals of various cleaning agents.
- 2. The students should define natural, floor, toilet, bathroom and kitchen cleaning agents
- 3. The students should explain preparations and reactions of natural, floor, toilet, bathroom and kitchen cleaning agents

Unit III Technology of Soap

- The students should learn technology of soap
- The students should define soap, hard and soft soap, liquid soap
- The students should explain preparations and reactions of soap, liquid soap

Unit IV Detergents and surfactants

- 1. The students should learn fundamentals of detergents and surfactants
- The students should define detergents, surfactants
- The students should explain preparations and various types of detergents and surfactants

Practical Course: CCL 102: Preparation of various household Products

Contact Hrs. 48

- Preparation of sanitary acid
- Preparation of liquid soap
- 3. Preparation of white phenyl
- 4. Solid soap manufacture
- 5. Extraction of active principle of herbal products: Babul, Chandan, haldi, Jasmin, Reetha
- 6. Practical based on preparation of various cosmetic products by using herbal principle: Shampoo and Mouth wash.

Recommended Books:

- Vogel's text book of Qualitative Chemical Analysis (Longman ELBS Edition)
- Vogel's text book of Quantitative Analysis (Longman ELBS Edition) 2.
- Practical Organic Chemistry by A.I. Vogel 3.
- Practical Organic Chemistry by O.P. Agrawal.

Index

Sr. No	Name of the documents
1	Brochure
2	Syllabus
3	Permission letter
4	Meeting Notice
5	Minute Meeting
6	Notice
7	Registration
8	Time table
9	Attendance
10	Out Come
11	Certificate



CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS

SYLLABUS

TITLE: Processing and Preparation of Household Chemicals

1. YEAR OF IMPLEMENTATION: 2022-23

2. PREAMBLE: This syllabus is prepared for 12th pass with Chemistry students. At this level, to develop their interest towards household chemistry and also to prepare them for the industrial exposure. The interdisciplinary approach with vigor and depth is compatible to the syllabi of other universities. The units in the syllabus are well defined with scope and the number of lectures. The references are mentioned with relevance.

3. GENERAL OBJECTIVES OF THE COURSE:

 The students are expected to understand the fundamentals, basic principles, concepts and recent developments in the subject area.

The practical course is in relevance to the theory courses to improve the understanding of the concepts.

4. DURATION: 3 Months

5. ELIGIBILITY TO COURES: 12th pass with Chemistry

6. MEDIUM OF INSTRUCTION: English

7. STRUCTURE OF COURSE:

Paper No. and Name
CCT 101: Introduction of Household Chemicals
CCL 102: Preparation of various household Products
CCP 103: Project on household Chemicals

A) LIBRARY: Reference and Textbooks, Journals and Periodicals, Reference Books for AdvancedBooks for Advanced studies.

B) SPECIFIC EQUIPMENTS: Computer, LCD, Projector, Visualizer, Smart board

C) Laboratory Equipment:

) Laboratory Equipment:		
Digital balance with 1 mg accuracy	2. Burette, pipette and conical flask	
4. Polythene bottles ,	Measuring cylinder	Stopper bottle
7. Test tube, Beaker	8. Evaporating dish	9. Glass rod
10. Wire gauze	11. Burner	12. Water bath
13. Tripod stand	14. Burettes stand	15. Iron stand
16. Test tube holder	17. Test tube stands	18. Dropper

Learning Outcomes:

- 1. Preparation of sanitary acid
- 1. Students should define meaning of sanitary acid
- 2. Students should know different preparation of sanitary acid
- 3. Students should prepare various normality sanitary aci
- 2. Preparation of liquid soap

- 1. Students should define liquid soap
- 2. Students should know different reactions for preparation of liquid soap
- 3. Students should prepare liquid soap

3. Preparation of white phenyl

- 1. Students should define white phenyl
- 2. Students should know preparation of white phenyl
- 3. Students should prepare various compositions of phenyl
- 4. Solid soap manufacture
- 1. Students should define soap
- 2. Students should know different reactions for preparation of soap
- 3. Students should prepare various soaps
- Reraction of active principle of herbal products: Babul, Chandan, haldi, Jasmin, Reetha and Neem.
- 1. Students should define herbal product, extraction technique.
- 2. Students should know different reactions for preparation of herbal products
- 3. Students should prepare various extracts of babul, chandan, haldi, jasmin, reetha, neem
- Practical based on preparation of various cosmetic products by using herbal principle: Shampoo and Mouth wash.
- 1. Students should define cosmetic products
- 2. Students should know different reactions for preparation cosmetic products
- 3. Students should prepare shampoo and mouth

Evaluation System:

All the students will be continuously evaluated by,

a. Attendance	05 M
b. Assignments	05 M
c. Theory examination	40 M
d. Practical examination	30 M
e. Project	20 M
Total	100 M

Theory: Paper I: Introduction to Household Products Learning

Objectives:

- To expose the students to various emerging new areas of Chemistry and apprise them with their prevalent in their future studies and their applications in various spheres of chemical sciences.
- 2.To enhance student sense of enthusiasm for chemistry and to involve them in an intellectually stimulating experience of learning in a supportive environment.

CCT 101: Introduction of Household Chemicals

Contact Hrs: 24

UNIT I (06 Lectures)

Household chemicals: History of household Industry, Basic Theory of Household Chemicals, and Raw material required for household product, Product manufacture in household industry. Role of household product in day to day life.

NIT II (06 Lectures)

Cleaning agents: Introduction, synthesis and applications of Natural cleaning agents, cleaning action, Floor cleaner, Toilet Cleaner, Bathroom Cleaner, Kitchen Cleaner

NIT III (06 Lectures)

Practical Organic Chemistry by F. G. Mann & B. C. Sounders

Comprehensive Practical Organic Chemistry Qualitative Analysis by V. K. Ahluwali A Text Book of Quantitative Inorganic Analysis Including Elementary Instrumental Analysis: A.I. Vogel (Third Ed.).

Project course: CCP 103: Project on household Chemicals





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)
PH: 02344-299127, Mob.; (O) 7448000616.

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Email: College: rkpcollegesankh@gmail.com ### Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Ref.No.

Date: 10/07/2022

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course of Preparation of Household Chemicals.

Respected sir,

With the reference to above subject, our Chemistry department is going to conduct certificate course of Preparation of Household Chemicals for B. Sc. Students in this year academic year (2022-23). So, I request you to give us permission to conduct above said course.

Thanking you,

offer (

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Yours Faithfully

Department of Chemistry, Shri RK Patil ACS College Sankh, Tal-Sankh,Dist-Sangli

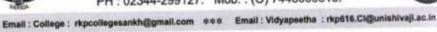


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Graduate Department of Chemistry

CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS

Meeting Notice

The meeting of the members of BOS in certificate course Of Preparation of Household Chemicals is conveyed on 12/07/2022 for the preparation of syllabus.

Sr. No	Name	Position	Signature
1	Dr. S.P. Dalawai	Chairman	Pales
2	Miss. D.V. Wagholi	Co-ordinator	TOO LOOK
3	Mr.Haladaki A.S	Member	(Helevi
4	Mr.Biradar R.B	Member	Buel
5	Mr.Shiragatti K.M	Member	8

Head Depart-

2018 Tal-Joth Chemistry Cemmerce e. Sankh Sangil

Principal Vc. Principal,

once College, Shri R. K. Patil Arts, Commission Sci Sankh, Tal. Juth, Dist. Sangli 415 412

Date: - 15/07/2023

Notice

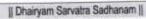
All students of B.Sc-III are here by informed that, Department of Chemistry going to organized by certificate course of Preparation of Household Chemicals in has been scheduled from 22/07/2022 to 22/10/2022 Kindly, remain present at prescribed time in lecture hall.

Course Co-ordinator

HOD

Head
Department of Chemistry
Shri. R. K. Patil Arts, Commerce
& Science College, Sankh
Tat. Jath, Dist. Sangli





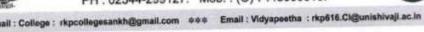
Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Chemistry

"CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS"

Academic Year -2022-23

Registration

Sr.No	Name	
1	SONAVANE R.S.	
2	BIRADAR V. R.	_
3	BIRADAR A.T.	_
4	MANE P. P.	_
5	VHANAMANE RK.	_
6	NADAF S. H.	_
7	BIRADAR S.C.	_
8	TATTITELI M. R.	_
9	NILE M. K.	_
10	BIRAJADAR D.S.	_
11	RATHOD S.F.	_
12	KUMBAR D. R.	_
13	MALI V. I.	_
14	MISAL M. M.	-
15	SHILEEN V. S.	_
16	CHOUGULE A. A.	
17	BIRADAR P.B.	-
18	KOLI S.M.	_
19	KODALKAR S. S.	
20	SABALE S.H.	
21	DHEPANE S.S.	-
22	MAGADUM S.M.	_
23	KATAKAR A. E.	_
24	KULKARNI G.S.	
25	BHANDARE S. R.	
26	KARE K. S.	
27	KARAJANAGI A.S.	_
28	BIRADAR S. C.	
29	SOUDATTI R.R.	
30	TERADAL C.M.	
31	SAYAR P.P.	_
32	KAROLI G. S. S. Comb.	_





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Chemistry

CERTIFICATE COURSE of PREPARATION OF HOUSEHOLD CHEMICALS

Academic Year -2022-23

Minutes of Meeting

The meeting of the members of BOS in certificate course of Preparation of Household Chemicals is held on 13/07/2022 for the preparation of Course syllabus. The following members of present and prepared the syllabus of the above course and submitted to IQAC, Shri R K Patil ACS college Sankh.

Sr. No	Name	Position	Signature
1	Dr. S.P. Dalawai	Chairman	- Pagasa
2	Miss.D.V.Wagholi	Co-ordinator	Continue
3	Mr.Haladaki A.S	Member	Halici
4	Mr.Biradar R.B	Member	(B) OS
5	Mr.Shiragatti K.M	Member	Su-

Head Department of Chemistry Shri, R, K, Pic P Arts, Commerce & Scient - silege, Sankh Tat, Jam, Dist, Sangli

Principal

Mc. Principal, Shri R. K. Patil Arts, Comine

Sankh, Tel. Jeth, Dist. Gangii 416 412

33	TELI S.S.
34	JAGTAP A.J.
35	SHIRASHAD S.R.
36	WAGHE G.A.
37	PATTANASHETTI SI
38	KADAM L.B.
39	PATEL A.S.
40	MANE A.S.
41	JAGTAP R.K.
42	CHIKODI B. M.
43	PANDHARE P.S.
44	PUJARI G.A.
45	MUNJE P.A.
46	HIRAGOND N.L.
47	KUMBAR R. R.
48	BARAKADE R.M.
49	JADHAV N. S.



Head
Department of Chemistry
Shri. R. K. Patil Arts, Commerca
& Science College, Sankh
Tal. Jath, Dist. Sangli

Graduate Department of Chemistry

"CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS"

Academic Year -2022-23

Time Table

Course Commencement: 20/07/2022 to 22/10/2022

Class	Time	Friday (22/07/2022 to 21/10/22)	Saturday (23/07/2022 To 22/10/22)
Theory	1:30 to 2:30	WDV	HAS
Practical	2:30 to 4:30	RBB	SKM

Course Co- ordinate

Art's Colo

HOD

Head
Department of Chemistry
Shri, R. K. Patll Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Graduate Department of Chemistry

"CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS"

Academic Year -2022-23

Attendance Sheet

Sr. No	Name of Student	22/0 7/22	23/0 7/22	29/07/ 22	30/07/ 22	05/0 8/22	06/08/ 22	12/08 /22	13/0 8/22	20/0 8/22	26/08 /22
1	SONAVANE R.S.	8	8	8	8	8	8	8	8	8	8
2	BIRADAR V. R.	books	Bak	Bush	12 cath	Ruth	Brok	Both	1344	120	Balo
3	BIRADAR A.T.	BAT	BALT.	RAT	BAT	PAT	BAT	RAT.	BAT	BAT.	BAT
4	MANE P. P.	Wa	mle	Ab	wife	MAPP	nes	unel	men	nop	mp
5	VHANAMANE RK.	VEK	VELL	MAKE	YBY	VRK	VBK	Ab	ARK	LEK	MAK
6	NADAF 5. H.	New	Hox	Nes	Hoy	Ab	Norte	Nos	Mex	Het	Now
7	BIRADAR S.C.	Bu	13/4	Bler	Ab	854	BSU	BSG	136	BKG	Ab
8	TATTITELI M. R.	TVK	Trak	Trok	THE	Teak	THE	Tink	Tok	Trik	Took
9	NILE M. K.	(NE)	00	(PP)	RO	RE	(NE)	OM	DE	(NE)	ARD
10	BIRAJADAR D.S.	(Bus	6000	Bon	BU	1334	TOWN	BON	DUE	1034	DOM:
11	RATHOD S.F.	10	P	offe	Ab	Sp	900	20	RP	Ab	RA
12	KUMBAR D. R.	18h	10	181	100	Or	182	a	82	13	Ab
13	MALI V. I.	DAY	MY	DAY	NAV.	MV	M	NE	MV.	MV	TAL
14	MISAL M. M.	M-m	111-14	W.NIN.	47.426	WW.	MENT	who	W. W.	1040	16. 4.
15	SHILEEN V. S.	de	1	De.	A	\$	8/2	gu	1	200	de
16	CHOUGULE A. A.	走	50	5	5	95	\$	35	去	·A	B
17	BIRADAR P.B.	VEB-	SPR	POR	RDB_	MPB	PPB	BEB-	Rek	12128	BPR
18	KOLI S.M.	Rem	KSP	K919	Fan/	PAP"	Rank	MIN	Ram	Roca	Ram
19	KODALKAR S. S.	K.36	KSS	X85	V. 95	KES	KSS	KSS	KSS	KSS	Kss
20	SABALE S.H.	SH	94H	SA	SH.	diff	JAH.	354	ast!	43	33 H
21	DHEPANE S.S.	636	169	635	DE	635	TAS.	13	DES !	DAY (V

22	MAGADUM S.M.	msm	versic.	MSF	TASKI	MEH	m.sm	MSM	MEN	MENT	MAST
23	KATAKAR A. E.	8	0	0	B	B	B	\$	B	0	8
24	KULKARNI G.S.	(ELGOS	as	es	nh	Q B	De	B B	(As	B	000
25	BHANDARE S. R.	624	34	图像/	DA.	DA.	QA .	EM.	EA.	BR)	EA
26	KARE K. S.	De	Oe.	De	De	Oe.	De	Be	Oe.	00	De
27	KARAJANAGI A.S.	KAS.	VAS	XAS.	V/AS	493	KAS.	KAS	KAS.	(Z)S.	KA S
28	BIRADAR S. C.	and (Doc	BSE (33C	RC	BC	Bec	Abo	Rech	Rec
29	SOUDATTI R.R.	FRR	SRR	SRR	SRR.	SRR	SRR	SRR.	SR12	SER	SRA
30	TERADAL C.M.	Total	TOD!	Ten-	Tou	En	-	For	To	EN	Too
31	SAYAR P.P.	000	38	38	88	98	SP	SUP	88	SP	89
32	KAROLI G. S.	KGIS	KOB	kss	KES	KG,S	KGES	KC.S	KGE	ke _s s	Ab
33	TELI S.S.	TAIS	Tops	Tiles	Teiles.	Teips.	TEUS	Texts	Teis.	Teigs	TOUS
34	JAGTAP A.J.	JAU	JASS	ALL	MACH	JAY	加州	JACK	MACE	AB	ALL
35	SHIRASHAD S.R.	SSA	SSR	SA	SSR.	SSR	SSR.	SSK	SK:	SSK.	ssR.
36	WAGHE G.A.	624	was	(De	ada	Cu	who	ude	a	CO	w
37	PATTANASHETTI SI	82	BIR.	BS	BOP	BSP	Ab	BIL	BSF	BO	Ab
38	KADAM L.B.	Ru	KM	144	Kim	Kue	Key	He	Kha	Klus	KLIK
39	PATEL A.S.	Rs	RS	RS.	B	85	RS	AS.	RS	BS	Rs
40	MANE A.S.	TOOM AS	[Pintol	MARCAS	Was P.S	PO come P	MoreAS	Many	None H	My Could	gene
41	JAGTAP R.K.	1-RK	TKK.		JRK	SAK	ARK	JRK.	JRK	IRE	3 R.K
42	CHIKODI B. M.	CBM	CBM	CBM	CBM	CBM	CBM	CBM	CBM	CBM	CBKT
43	PANDHARE P.S.	Des	PPS	195	PPS	PB	885	PP\$	PMS	1B	PP3
44	PUJARI G.A.	Rijania	Ref	PEA	PGA	PEAR	PCA	PGA	PGA	PGA	RAA
45	MUNJE P.A.	MUNE	MUNTE	nucle	mune	munic	muy	munje	munic	mus	men
46	HIRAGOND N.L.	H.W.	H.N.L	H.N.L	H.N.L	H.N.L	H.N.L	#.N.L	N.N.L	H.N.L	H.M.
47	KUMBAR R. R.	Kee	Reg	BAR	PAR	ME	Ab	BRR.	PRK	Ab	Ab
48	BARAKADE R.M.	82.1	RR.H	BRIN	BIRM	RAM	gree	BRM	BRIT	BRO	Ab
49	JADHAV N. S.	Jus		JINS	JNS	Ab	J-N-5	J-175	Ah	JNS	Ah

Course Co- ordinator



Department of Chemistry Shri. R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Graduate Department of Chemistry

"CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS"

Academic Year -2022-23

Attendance Sheet

Sr. Ne	Name of Student	27/0 8/22	9/22	03/09/ 22	09/09/	10/0 9/22	16/09/ 22	17/09	23/0 9/22	24/0 9/22	36/09 /22
1	SONAVANE R.S.	8	8	8	Ab	8	Ab	8	5	8	Ab
2	BIRADAR V. R.	@VR	(B)	Ab	DH2	DIR.	Bie.	DER	Alb	Bue	Que
3	BIRADAR A.T.	RAI	RHI	BAIL	RAI	RAT	BAT	RH.T	RAT	PAT.	BAI
4	MANE P. P.		mige		Ab	niff	Ab	my	aspr	ny	Alt
5	VHANAMANE RK.	VEK	YEK	VEK	VEK	VBK	YBK	YEK	MAK	YER	YIRK
6	NADAF S. H.	Net	Note	Hos	· Ab	North	ded	dot	Hook	Hode	Nort
7	BIRADAR S.C.	RSG-	Res	B86	Ab	1384	Ab	esu	Al	ru	A
8	TATTITELI M. R.	Tax	Trak	TUNK	Imk:	Tmx	IMK	Tm.K-	Imk	Imk	Tm.K
9	NILE M. K.	De	(NA)	Po	NAR	Ab	RO	Po	NAO	MO	Ab
10	BIRAJADAR D.S.	Box	De.	De	Tart	au	Day	But	Des	But	130%
11	RATHOD S.F.	alt	神	At	ap	4	Re	Ab	P	SEP	Ab
12	KUMBAR D. R.	Be	0	0-	8	B	B	182	B	P	82
13	MALI V. I.	MY	MY	TAN	Ab	PAR	MY	mon.	TANT	Ab	DAL
14	MISAL M. M.	MINN	1	101.101X	W. W. E	WAY!	Frank.	Ab	Mary.	ev.	Sim
15	SHILEEN V. S.	du	de	de	de	dir.	Sta	She	Su	Spir	gre-
16	CHOUGULE A. A.	85	4	5	and the	T	Q.	F	5	Ø,	1
17	BIRADAR P.B.	B&B.	B.P.B.	B.P.B	B. PB	BFE	8-PB	B.P.B	0.80	BrB	8.9.1
18	KOLI S.M.	RAM	Ram	Fam	Fam	Rel	Karn	Han 1	Park	निवा	Bon
19	KODALKAR S. S.	K83	KSS	KSS	KSS	KS	kss	KSS	KSS	ISSS	KSS
20	SABALE S.H.	SH	534	34	SH.	SH	Q8H	SSH	251	8	SSH

21	DHEPANE S.S.	DE.	DE	05/	DF (D35	Daz	000	0	1	13
22	MAGADUM S.M.	MISM	ITEN	Lusa	MSM	MISM	MSM	MISM	MSM	MISH	MISIN
23	KATAKAR A. E.	(10)	F	0	Ab	0	B	B	10	Ab	Al
24	KULKARNI G.S.	Res	RE	es s		Pe	Ab	@s	P	as	0
25	BHANDARE S. R.	(RA)	600	RA	60	BR	(BR)	130	ED	RR.	RR
26	KARE K. S.	We	De	(De	Or	Oc	Oe.	0c	(E)e	Qe	Oe
27	KARAJANAGI A.S.	KAS	KAS	KAS.	1645	KAS	MS.	1605	VA	ph	p)
28	BIRADAR S. C.	100	1890	1334	183c	(B3C	123c	429c	-Ab	AK	PS
29	SOUDATTI R.R.	SAR	SRIP	20.	ERR	SRR	ERR	SRR.	Ph	SER	SRK
30	TERADAL C.M.		Ton	Tom	Tem	To	Ton	Tem	To	Ah	A
31	SAYAR P.P.	28	98	339	88	98	98	88	88	Sof	88
32	KAROLI G. S.	2615	Koss	Kais	KCAS	V.c.	ras	KS-S	Kon	Ab	A
33	TELI S.S.	Teliss	TJes	Teliss	Teliss	Tels	Toliss-	-	Taiss	Tehs	Teli
34	JAGTAP A.J.	MAGA	Aug	SAM	LAUS	AM	Mu	TALL	Oh	Ah	LHU
35	SHIRASHAD S.R.	SSR	SSR.	SSA:	SSR	538,	SSR.	4K.	SSK	Ph	Ah
36	WAGHE G.A.	Wy	w	was	was	wa	we	us	600	cede	AA
37	PATTANASHETTI SI	BY	PL.	BIP	BSE	BY	BP.	Ah	PJP	BIP	BY
38	KADAM L.B.	kus	Kul	nus	KUL	trul	KM	Klu	Khy	154	Kun
39	PATEL A.S.	Ro	RS	RS	85	RS	RS.	BS	RS	RS	RS
40	MANE A.S.	telough	Lobote W.	DONER	March A.S	econt/s	All real parts	popular Ba	east N	COAL PE	Nord P
41	JAGTAP R.K.	32x.	W10.7777	Lak.	JRK.	JRK	IRE	JAK	Spinster,	Ab	IRE
42	CHIKODI B. M.	CRM	CEM	E19	CBM	-	C13191	CBM	CEM	CRIM	ah
4,3	PANDHARE P.S.	100	100	PPS	PPS	183	PB	PPS	PPS	1905	PES
44	PUJARI G.A.	TEA	REP	PGA	PGA	PGA	PGP	PGA	PGA	16TA	PGI
45	MUNJE P.A.	nune	OLUE Y	Ah	munic	ah	muse	MUSY	my	Ah	munj
46	HIRAGOND N.L.	HN.L	N.N.L	Ab	HN.L	N.N.L	MN.L	W.N.	N.M.	Mar	
17	KUMBAR R. R.	RRR	Ab	RPR-	(B)	RRE	- PRE	Ah	PRE	PPR	KRA
48	BARAKADE R.M.	RIEM	RAM	DRM	BRM	BHIM	REPA	RRM	PAM	12/2/19	BRK
19	JADHAV N. S.	7.0.5	TINS	TNS	T.N.S	THIS	7.05	TINS	7-11-5	T-11-5	J-H!

Course Co- ordinater



Department of Chemistry
Shri. R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)
PH: 02344-299127. Mob.: (O) 7448000616.

Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Graduate Department of Chemistry

"CERTIFICATE COURSE OF PREPARATION OF HOUSEHOLD CHEMICALS"

Academic Year -2022-23

Attendance Sheet

Sr. No	Name of Student	01/I 0/22	7/10/ 22	08/10/ 22	14/10/ 22	15/1 0/22	21/10/ 22	22/10 /22	1-	3	
1	SONAVANE R.S.	8	8	8	8	8	8	8	Ab	Ab	Ah
2	BIRADAR V. R.	2-14	post	realy	2.4	Porte	Porty	Beth	Brake	Pont	Boot
3	BIRADAR A.T.	RAI	BAT	B.H.T	BAT	RA:T	BAT	BAT	BAT	BAI	BAT
4	MANE P. P.	NPP	Ab	MPP	MA	MIPH	MAP	mp	Ab	Ab	AL
5	VHANAMANE RK.	Mer	YRK	VEK	VBK	YEK	VIK	YEK	Ab	Ab	Pb
6	NADAF S. H.	Nove	Tool	House	plust	dos	Net	Dor	Ab	Ab	Ab
7	BIRADAR S.C.	886	1381	tip	Rest	1384	Bu	B84	Ab	Ab	Ab
8	TATTITELI M. R.	TWOIL	Troll	THIK	Trak	Treek	TIME.	mk.	Ab	Ab	Ab
9	NILE M. K.	RE	WB)	80	ROA	NE	RE	NB	da	Ab	Ab
10	BIRAJADAR D.S.	an	1000	De	Be	By	BU	18HE	Ab	Ab	Ab
11	RATHOD S.F.	apt	A	PH	4	4	484	好	Ab	Ab	Ab
12	KUMBAR D. R.	B	82	182	BZ	82	82	B	Allo	PP	Ab
13	MALI V. I.	DAY	MAN	PHY	DEPV.	PATT	Ab	HAV	Ab	Alo	Ab
14	MISAL M. M.	CARA F	111-414	mini	her ter	Sec. 4	wa.	ch win	Ab	Ab	Ab
15	SHILEEN V. S.	de	die	*	de	Sto	de	De	Ab	Ab	Ab
16	CHOUGULE A. A.	5	5	A	85	4	85	Ab	Pk	PI	AL
17	BIRADAR P.B.	QUEB	BBB	EPR	BPE	Ab	AL	858-	Ab	Ab	Ab
18	KOLI S.M.	Kon	(K3M7	(Kgm	B	AP	Ab	AV	P	A
19	KODALKAR S. S.	KSS	VES!	KSS	kss	Ab	KSS	KSS	da	Ab	A
20	SABALE S.H.	334	SSH	98H	SEL	Ab	SSH	98H	Ab	A	AL
21	DHEPANE S.S.	DXS	DF	DE	D35	DE	B35	Ab	Al	DE	Ab

22	MAGADUM S.M.	MSM	msm	msm	MEM	MISM	War	Man	Ab	Ab	Al
23	KATAKAR A. E.	Br	1	16	Ab	6	Ab	Ab	Ab	Ab	Al
24	KULKARNI G.S.	ME	0	60	2t	DOM:	POR	Ab	0	@B	0
25	BHANDARE S. R.	BK	6X	EX	BB	Ab	BR (BK	Ab	Ab	A
26	KARE K. S.	De	De	De	De	De	De	De	Be	De	0
27	KARAJANAGI A.S.	K. AS	KAS	KAS.	KAS	VAS	a'b	KAS.	Db	Ab	AL
28	BIRADAR S. C.	(Rac)	Rea	Baer	EX	dA	Ph	Pac	-Ab	Ab	P
29	SOUDATTI R.R.	SRR	COR	SRR	SER	CRR	SER	EPB.	Ab	Ab	A
30	TERADAL C.M.	Tom	Tom	-15-4	TCM	Em	-Ab	Ton	Ab	dA	Al
31	SAYAR P.P.	58	SP.	S	38	S	S	30	S	\$	88
32	KAROLI G. S.	Mars	Kes	Kes	Kas	KG19	ks15	(KS3.	KKK	KAb	P
33	TELI S.S.	Teliss	Teliss	Taliss	Tels?	Tel/s	Teliss.	Teliss	Teliss:	Tela:	Tel
34	JAGTAP A.J.	294	X	Sta	MA	JAH	Apr	JASS	Ab	Ab	A
35	SHIRASHAD S.R.	SSA	SSR	SSK.	sch.	SSR	Ab	Ab	Ab	Ab	n
36	WAGHE G.A.	we	0	Cit	uda	-	30	cedu	Ab	Ab	D
37	PATTANASHETTI SI	BUP	Bel	BIL	PP .	RJE	BR	Db	BY	100	A)
38	KADAM L.B.	Kuy	Ku	Kus	Kan	KM	Khe	Hay	At	Ab	p
39	PATEL A.S.	A5	RS	RS	A5	R5"	RS	RS	BS.	R5	R
40	MANE A.S.	Tore &	World	Words.	wester	NO. NO.	COUNTY.	vorens	Ab	Ab	A
41	JAGTAP R.K.	FR.K.	128	JRK.	J.R.K	No sale	40000	JRE.	Ab	Ab	F
42	CHIKODI B, M.	CBMI	CRM	CBKI	C43 M	TEM	CRIM	Ab	ab	CBM	Ak
43	PANDHARE P.S.	PBS	PB	PES	PPS	PB	PPS	PPS	Ab	AY	A
44	PUJARI G.A.	PGA	PGP.	PGA	PGD	PGD	PG4	Ris	PGA	PGA	PG.
45	MUNJE P.A.	NUMBER	Comp	Ab	mux	MARK	BANK	munce	Ab	MANY	N
46	HIRAGOND N.L.	N.N.	M.N.	N.W.	WN.L	4.01-L	N.V.	Ph	N.N.	y.N.L	Al
47	KUMBAR R. R.	RPB	RIPE	RRB	RAR	ab	BAR	RPE	-BR	Ph	A
48	BARAKADE R.M.	BRK	RRM	BRE	RRM	RRM	RRM	BIRM	Ab	Ab	A
49	JADHAV N. S.	1.15		1115	3.115	Agend of print	J. N.5	JINS	Tins	TIRS	Je

Course Co- ordinater



Department of Chemistry
Sh. R. K. Patil Arts, Comm.
& Science College, S.
Tal. Jath, Dist. Sang.

II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course, in
"PREPARATION OF HOUSEHOLDCHEMICALS"

Certificate Course

Objectives of Course

- To expose the studnts the various new emrgination of chemistry and apprise the with their prevalent to the future studies and their application in various there of chemical so true
- 2) To enhance student since of enthusiasam for cheminand them in an intuallectually stimulated expression of supportive environment

Benefits of the course

- 1) Test
- 2) Practical training
- 3) Certificate
- 4) 3 month
- 5) Conceptual discussion

For B.Sc-III (Chemistry Students)

Miss. Wagholi D.V

Course Co- ordinater

Dr. S.P. Dalawai

Principal

I/c. Principal,
Shri R. K. Petri A. Common Science College.



SHIVALINGESHWAR SHIKSHAN SANSTHA

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

(Affiliated to Shivaji University, Kolhapur) TAL - JATH DIST- SANGLI.

GRADUATE DEPARTMENT OF CHEMISTRY



CERTIFICATE

completed the "Preparation of Household Chemicals" at Postgraduate Department of This is to Certify that Mr. /Ms. Kulkanni Gayatai Suni

has successfully

Course Co-ordinator Miss.Wagholi D.V Chemistry in the academic year 2022- 2023

Dr. Dalawai S.P

Sunkh, Tal. Jeth, Dist. Sangli 416 412 I/C Principal

II Dhairyam Sarvatra Sadhanam II

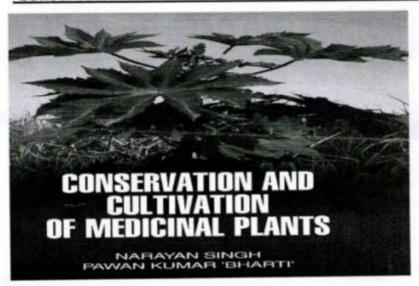
Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In

Conservation and Cultivation of Medicinal Plants



Department of Botany, Shri RK Patil ACS College Sankh, Tal- Sankh, Dist-Sangli



Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tai. Jath, Dist. Sangil



Shri R. K. Paril Arts, Commerce and Science College, Sankt Street - Tal. Jath, Dist. Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

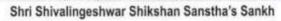
Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Botany Short Term Course (2022-2023)

Sr. No	Content	
1.	Board of Studies Committee	
2.	Syllabus	
3.	Time Table	
4.	Syllabus Distribution	
5.	Notice	
6.	Question paper	
7.	List of students Enrolled	



Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tai. Jath, Dist. Sangli



Shri, R. K. Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Department of Botany

Short Term Course (2022-2023)

BOARD OF STUDIES COMMITTEE

Sr. No	Expert committee members	Name of the Committee member	Affiliation
1.	Internal	Rathod S.S	Head, Department of Botany Shri R.K.P college Sankh
2,	Internal	Patil. S.B	Assistant professor Shri R.K.P college Sankh
3.	Internal	Koli .B.G	Assistant professor Shri R.K.P college Sankh

Hood Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Department of Botany

2022-2023

Autonomous (Self Financed) Short Term Certificate Course.

Conservation and Cultivation of Medicinal Plants

1. Eligibility

:XII std. pans

2. Duration of Course

: 3 Month

3. No. of Students

:20

4. Examination

:Theory (50 marks),

Practical (40 marks)

Excursion report (Polyhouse, Shednet)-10 marks.

Total 100 marks.

6. Faculty

: Rathod S.S

:Patil. S.B

: Koli .B.G

7. Coordinator

: Rathod S.S

8. Director

: Principal, Shri R.K.P college Shank.

Ship a saling a salin

Dread Department al Botany Shri R. K. Patil Arts, Communia & Science College, Sankh Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

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Syllabus: Theory.

A) Introduction:

(2 Lecture)

Medicinal Plants and their role in health

B) Study of medicinal Plants

(12 Lectures)

Brief account of plant drugs and their chief constituents used in Indigenous medicines

- a. Rhizome- Zingiber officinalis, Glycerrikza glabra
- B. Root-Raulfia serpentina, Withania somnifera.
- c. Stem-Timmspora cordifolia
- d. Leaf Aloe vera, Adathoda zeylanica
- e. Floral bud- Sizygium aromaticum f. Fruit bud-Emblica officinalis

C) Cultivation of Medicinal plants

(6 Lectures)

- a. Introduction
- Methods and cultural practices of cultivation of Zingiber officinalis, Withania somnifera, Aloe vera, Emblica officinalis

D) Conservation of medicinal plants

(4 Lectures)

- a. Introduction
- b. Various methods of conservation- Polyhouse and shednets

(Total 24 Lectures)





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany

Short Term course- Conservation and Cultivation of Medicinal Plants

Syllabus:- Practical's.

2022-2023

List of Experiments-

- 1. Study of medicinal Plants wrt morphology of useful parts, active principle and uses of
- a. Zingiber officinalis,
- b. Glycerrikza glabra

Raulfia serpentina

- d. Withania somnifera
- e. Tinospora cordifolia
- f. Aloe vera,
- g.Adathoda zeylanica
- h. Sizygium aromaticum
- i. Emblica officinalis

2. Methods of cultivation of medicinal plants

- a. Zingiber officinalis,
- b. Glycerrikza gabra
- c. Raulfia serpentina,
- d. Withania somnifera
- e. Tinospora cordifolia
- fl. Aloe vera,
- g.Adathoda zeylanic
- h. Sizygium aromaticum
- i. Emblica officinalis

3. Techniques of conservation of medicinal plants

- a. Collection of plants
- b. Conservation in polyhouse
- c. Conservation in shednet
- 4. Visit to polyhouse and shednet

Department of Botany
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Botany

2022-23

Autonomous (Self-Financed) Short term certificate course Short Term course-Conservation and Cultivation of Medicinal Plants

Duration: 3Month

TIME TABLE

Theory and practical (per week)

Time	Day							
2.30-3.30pm	Lecture	Monday (Batch –A)	Thursday (Batch-B)					
2.30-3.30pm	Practical	Tuesday (Batch -A)	Friday (Batch-B)					

Department of Botany Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal, Jath, Dist, Sangli

Director

Shri R. K. Parin Procipal pal,

R. K. PafirArts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangti 418 412



Department of Botany CERTIFICATE COURSE IN

CONSERVATION AND CULTIVATION OF MEDICINAL PLANTS Attendence list 2022-2023

Sr No	Name of students	22/ 07/22	23/ 07/22	29/ 07/22	30/ 07/22	05/ 08/22	06/ 08/22	12/ 08/22
1.	GALAVE BIROBA SIDGONDA	3.56	356	3.5.6	0.5A	G.SA	B.54	G.5A
2.	HALLI BHAGYASHREE SIDDANNA	BS	B.S.	AB.	B.S.	AB	Hall	HOLE Bil
3.	SANADI SALEEM LALASAB	Sil	931	980	SSC	585	582	586
4.	MALLAD SACHIN KALLAPPA	SETTRUE	Stamul	STEEL	Stant	Strails	geral	Strat
5.	GALAVE PRASHANT KHANDU	OF ST	BUB	el gra	OLD .	Brog	Bus	(B)
6.	BIRADAR SHWETA GURURAJ	Bode	Book	Bed	Biale	Boo	Box	Time
7.	HIRAGOND ANITA CHANNAPPA	WHO	Char	Medic	Ochran	Celfon	DCHE	Redir
8.	HAKKE MANISHA KERAPPA	and the	THIN	TRANS	ranite	TATIO	groniy	Terret
9.	BIRADAR JAKKAVVA DHAREPPA	8.7.0	8.7.0	87.10	8.7.0	8.7.0	0.5.0	8.7×
10.	KARAPE KAJAL SIDDHU	ksk	KK	AB	KSK	KX	AB	Kck
11.	RATHOD SHILPA NATU	(PR)	GAD	SA	SA	SIN	SP	gen.
12.	GAIKWAD HEMPUSHPA SIDDHA	Ga	Corl	GH	GN	(GH)	(M)	(G)
13.	MORADI VIRESH SURESH	ONEDA	With the last	STITLE BY	STREET	META)	Free	AREA OF
14.	VAGHOLI ANIL SAHEBGOUDA	rts0	ASY	ASV	USV	ASY	dev	ASV
15.	KARAJANAGI BASAVPOOJA MAHADEV	Bank	BM	BIK	B.M.	BIL	8111	BM
16.	WAGOLI ASHOK GURUPAD	UGW	AGH	100	Sal	AGNI	day	Jan
17.	GEJJI ANAND MURIGEPPA	A.M	AM	AM)	Geni	Am Geni	AM	AM

18.	PAWAR LAXMIKANT BHAIRAVNATH	LBP	LBP	LBP	BP	LBP	LBP	LB.P
19.	BHANDARKAVATE VITTHAL BHIMRAY	VBB	NE	N'BE	W'98	VIBB)	VBB	(VBB
20.	MUCHANDI SHASHIKALA SHRISHAIL	S3H	55.7	3.5/B	SSM	SSM	3.54)	S.SM



Department of Botany CERTIFICATE COURSE IN CONSERVATION AND CULTIVATION OF MEDICINAL PLANTS Attendence list 2022-2023

Sr No	Name of students	13/ 08/22	20/ 08/22	26/ 08/22	01/ 10/22	7/ 10/22	08/ 10/22	10/22
1.	GALAVE BIROBA SIDGONDA	35.4	G. S.K	05ª	34	25.4	25.5	356
2.	HALLI BHAGYASHREE SIDDANNA	B.S.	HOL!	35 Hole	B-S	BA	13S	BS
3.	SANADI SALEEM LALASAB	SSB	SSB	31	SS	850	88	25
4.	MALLAD SACHIN KALLAPPA	Strate	Andly	Model	Strate	Arreita	Mal	Beral
5.	GALAVE PRASHANT KHANDU	Bee	Per	Out	De	B	Die	(Phy)
6.	BIRADAR SHWETA GURURAJ	Book	Right	Red	Track	Sand,	Bol	Firm
7.	HIRAGOND ANITA CHANNAPPA	(ATT)	KINA	Director	Live	OUT	TORS	Chief.
8.	HAKKE MANISHA KERAPPA	Tenolo	Taru Ma	month	Marity.	THEY	mil	mil
9.	BIRADAR JAKKAVVA DHAREPPA	850	82.0	050	8.50	850	8:50	8.7.0.
10.	KARAPE KAJAL SIDDHU	KSK	ksk	Ab	KSK	ksk	Kok.	Ksk
11.	RATHOD SHILPA NATU	\$PD	60	GP.	50	600	50	50
12.	GAIKWAD HEMPUSHPA SIDDHA	GIR	(g)	60	GOW	(A)	(ga)	GA.
13.	MORADI VIRESH SURESH	Theat	WITE A	Treat	The said	1000	THEAT	extend
14.	VAGHOLI ANIL SAHEBGOUDA	AS	AA	dsy	AB	1811	ASY	ASV
15.	KARAJANAGI BASAVPOOJA MAHADEV	BHA	BIN	BU	Birk	BMK	BMK	BM
16.	WAGOLI ASHOK GURUPAD	AGW	Han	AGH	AGH	ACH	the	AGU
17.	GEJJI ANAND MURIGEPPA	82	DIM	AM Goey!	Geli	Bb	GELL	AM Geril

18.	PAWAR LAXMIKANT BHAIRAVNATH	28P 18P 18P 18P 18P18P 18P
19.	BHANDARKAVATE VITTHAL BHIMRAY	(BBVBBVBBVBBVBBVBBVBB
20.	MUCHANDI SHASHIKALA SHRISHAIL	SEP SEP SEP SEP SEP SEP

Course CO-Ordinator
Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli

Department of Botany
Shri R. K. Patil Arts, Commerce
Science Cellege, Sankh
Tal. Jath, Dist. Sangli





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Department of Botany

2022-2023

Short Term course- Conservation and Cultivation of Medicinal Plants

NOTICE

Student of short term course Conservation and Cultivation of Medicinal Plants are hereby informed that their examination (Theory and Practical) will be conducted on 22 & 23, March, 2023.

Coordinator

Head Dapartment of Botany
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Sankh. Tel. Jeth. Dist. Sangli 418 412

Department of Botany

CERTIFICATE COURSE IN CONSERVATION & CULTIVATION OF MEDICINAL PLANTS

Examination March 2023

Total Marks 50.

Date-22.03.2023 Time-11.00 to 1.00 pm

Instructions:

- 1) All questions are Compulsory
- 2) Draw neat and labeled diagrams wherever necessary
- 3) Figures to the right indicate full marks.
- Q.1. Give general account of plant drugs and chief constituents of Tinospora cordifolia used in indigenous and allopathic system.
 20

OR

What are plant drugs 7 give an account of sources of plants used for making medicine?

Q 2. Write short notes on any three.

- 1. Chemical constituents of Witania somnifera...
- 2. Clove as medicinal plant
- 3. Plant drugs obtained from leaves
- 4. Embilca officinalis
- 5. Zingiber officinalis



SHRI SHIVALINGESHWAR SHIKSHAN SANSTHA'S SANKH

SHRI R.K. PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL – JATH DIST- SANGLI. (Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF BOTANY





CERTIFICATE

"CONSERVATION AND CULTIVATION OF MEDICINAL PLANTS" at This is to Certify that Mr. Ms. Mordi Voush Suresh graduate Department of Botany the academic successfully completed the

year 2022 - 2023

Prof. Rathod S.S

Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli

Dr.Dalawai S.P

LKC.IPhincipal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412

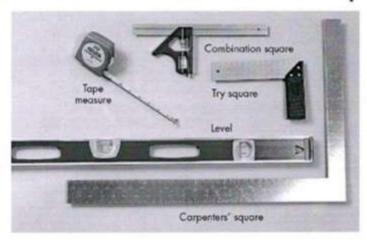
II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

in

Introduction of Household Instruments and their Repairing



Department of Physics Shri R. K. Patil Arts, Commerce and Science College, Sankh. Tal- Jath, Dist-Sangli



Index

Sr. No	Name of the documents
1	Brochure
2	Permission letter
3	Invitation letter
4	Meeting Notice
5	Attendance
6	Syllabus
7	Registration
8	List of enrolled students
9	Time table
10	Question paper
11	Result
12	Certificate





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Ref.No.

Date:02/12/2022

To,

The Principal,

Shri. R.K.P. Art, Commerce

and Science College, Sankh.

Tal-Jath, Dist-Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Introduction of Household Instruments and their Repairing.

Respected sir,

With the reference to above subject, our Physics department is going to conduct certificate course in Certificate Course of Introduction of Household Instruments and their Repairing for B. Sc Students in this year academic year (2022-23). So, I request you to give us permission to conduc hove said course.

> 2018 Tel-Jath

Thanking you,

Cranted war

Yours Faithfully

Head Department of Physics Shri R. K. Path Arts. Commerce & Science Cc 19e, Sankh

Tal. Jath, Dist. Sangti

Introduction of Household Instrumentsand their Repairing

Aim- This course provides a foundation for an independent business and getting a physics-based job. In this course, the students will study the fundamental ideas and principles underlying the operation of household instruments as well as how to repair them. On a breadboard, students will learn how to create circuits using the soldering process. Students will acquire knowledge on how to repair the household instruments used in daily life such as LCD & LED TVs, voltage stabilizers, amplifiers, iron, fan, grinding mixers, etc.

Objective

- To raise awareness of safety precautions while using electronic and electrical equipments.
- · Repairing electric/electronic instruments will create self-employment among the youth.
- To meet the demand for skilled manpower for society.

Learning Outcomes

- After completion of this course, you should be able to accomplish these outcomes within the electronic industry standards.
- You shall be able to accomplish identify electronic components, their principle, and working function in the electronic circuits.
- Getting a lot of knowledge of the operating mechanism of electronic circuits and instruments.
- Skills for fault analysis and diagnosis of electronic instruments repair and replacement of faulty parts.
- · Getting knowledge of entrepreneurship activities.
- · You should be able to examine the schematic layout of the wiring diagram and product.
- You should be able to assist in the maintenance of audio and radio equipment in the laboratory field.
- You should be able to repair your own household electronic equipment on your own like TV, Radio, Refrigerator, fan, mixers, etc.



Evaluation System

The entire student will be continuously evaluated by,

To	otal	(200 marks)
•	Project	(50 marks)
•	Practical examination	(50 marks)
•	Theory examination	(80 marks)
٠	Assignments	(10 marks)
•	Attendance	(10 marks)

Nature of question paper for Theory examination (Paper I and Paper II)-

Multiple choice	10 Marks
Long answer type (any two) out of three	20 Marks
Write short notes (any four) out of six	20 Marks

Total Marks, Paper 1 50 Marks

Paper II 50 Marks

Practical

Evaluation of the performance of the students in practical shall be on the basis of examination

Practical 50 Marks

Project

- One project will be assigning to students individually and their dissertation to be submit at end of the course.
- Project work consists of 40 marks for project completion and 10 marks for viva-voce.

Grades- A grade= above 75, B grade = above 60, C grade = above 50

Certification- A certificate will be issued after successful completion of the course.



Shri R. K. Patil Arts, Commerce and Science College, Sankh

Certificate Course

"Introduction of Household Instruments and their Repairing"

Paper- I Introduction of Household Electric Instrument

[Total periods: 20 hours]

Unit-1: Basic Electricity

(10 Hours)

Electrical safety and Tools, Introduction to Electricity, Study of electronic components, Electrostatics, Magnetism and Electromagnetism, A C Circuit, Electrical Measurements.

Unit: 2 Basic Electronics

(10 Hours)

Semiconductors, Special Semiconductor, Power supplies, Amplifiers, Oscillators, special semiconductor devices.



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Certificate Course

"Introduction of Household Instruments and their Repairing"

Paper- II Repairing of Household Instruments

[Total periods: 20 Hours]

Unit-1: Cathode Ray Tube (CRT)

(5 hours)

Cathode Ray Tube (CRT): Introduction, Principle, Construction, Working, Block diagram. Use of CRT in Television.

Unit-2: LCD and LED

(5 hours)

LCD and LED: Types of LED and LCD, principle, construction, working, its applications.

Unit-3: Voltage stabilizer

(5 hours)

Zener diode as voltage regulator: Principle, Construction, Working, and its uses in Household Instrument.

Unit-4: Integrated circuit (IC)

(5 hours)

Integrated circuit, Types of integrated circuit, and its applications.



Shri R. K. Patil Arts, Commerce and Science College, Sankh

Certificate Course

"Introduction of Household Instruments and their Repairing"

Paper- III Practical's

[Total periods: 40 Hours]

List of Practical's

- 1. Use of multimeter
- 2. LCR Circuits
- 3. Verification of Ohm's Law
- 4. Verification of Kirchhoff's current Law and voltage Law
- 5. Identification and testing of electronic components
- 6. Find Iron fault and repairing
- 7. Bridge rectifier for AC to DC converter
- 8. Zener diode as voltage regulator
- 9. Thevenin's Theorem
- 10. Norton's Theorem



List Text/Reference Books

- 1. Applied Electronics by- R.S.Sedha
- 2. Basic Electronics by- Bernard Grob
- 3. A text book of Applied Electronics by- R.S.Sedha (S.Chand & Company)
- Basic Electronics and Linear circuits by- N.N.Bharagava, D.C.Kulshreshtha and S.C.Gupta (TMH)
- 5. Practical Physics by- Gupta and Kumar (Pragati Prakashan, Meerat)
- 6. Advance level Practical Physics by -J M Nelcom and J M Ogloom (EIBS)
- 7. A text book of Practical Physics by- Shrinivasan and Balsubramanyam

Co-ordinator	HOD, Physics	I/C Principal
Mr. S.A. Sayyed	Dr. S.P. Dalawai	Dr. S.P. Dalawai





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Department of Physics

Introduction of Household Instruments and their Repairing

Meeting Notice

The meeting of the members of BOS in certificate course in Introduction of Household Instruments and their Repairing is conveyed on 09 December 2022 for the preparation of syllabus.

Sr. No	Name	Position	Signature
1	Dr. S.P. Dalawai	Chairman	Barai .
2	Mr. S.A. Sayyed	Co-rodinator	Sorreds.
3	Mr. R.B. Biradar	Member	Par
4	Mr. A.S. Haladaki	Member	Alaslacker"
5	Mr. G.S. Mali	Member	@u

2018 Fal-Joth

Head Department of Physics
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangil Principal

Sankh, Tai, Jath, Dist. Tal. Jath, plac Sangil



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616 Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

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Department of Physics

Introduction of Household Instruments and their Repairing Academic Year -2022-23

Minutes of Meeting

The meeting of the members of BOS in certificate course in Introduction of Household Instruments and their Repairing is held on 12thDecember 2022 for the preparation of Course syllabus. The following members of present and prepared the syllabus of the above course and submitted to IQAC, Shri R K Patil ACS College Sankh.

D CD D 1 1		
Dr. S.P. Dalawai	Chairman	Pacion
Mr. S.A. Sayyed	Co-rodinator	Sarrells
Mr. R.A.Mendigeri	Member	(Call
Mr. A.S. Haladaki	Member	(Hadakk
Mr. G.S. Mali	Member	G.W.
	Mr. S.A. Sayyed Mr. R.A.Mendigeri Mr. A.S. Haladaki	Mr. S.A. Sayyed Co-rodinator Mr. R.A.Mendigeri Member Mr. A.S. Haladaki Member

HOD Head

Department of Physics Shri R. K. Patli Artn, Commerce & Science Cathera, Sankh Tal, Jath, Diet, Bangil Esta 2018
Tat-Juth
Dist Sangil

Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Date:- 13/12/2023

Notice

All the students of B.Sc-III are here by informed that, Department of Physics going to organized by certificate course in Introduction of Household Instruments and their Repairing has been scheduled from 15/12/2022 to 15/02/2023 Kindly, remain present at prescribed time in lecture hall.

Saryedus.
Course Co-ordinator



HOD

Head
Department of Physics
Shri R. K. Patll Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangil

Department of Physics

"Introduction of Household Instruments and their Repairing"

Academic Year -2022-23

Registration

Sr. No	Name of Student	PRN No
1	SONAVANE RAMESH SHANTARAM	2020083452
2	BIRADAR VITTHA RAMAGOND	2018075162
3	BIRADAR AJIT TUKARAM	2020051934
4	MANE PRATIKSHA PRABHAKAR	2020049725
5	VHANAMANE ROHIT KUMAR	2020049723
6	NADAF SHAFIK HAJISAAB	2020041304
7	BIRADAR SUPRIYA CHIDANAND	2020040774
8	TATTITELI MAYOORI REVANASIDDAPPA	2020040720
9	NILE MALAKARI KASHINATH	2020040728
10	BIRAJADAR DUNDAPPA SANGAPPA	2020040686
11	RATHOD SHRIKANT FULSING	2020015624
12	KUMBAR DUNDAPPA RAMESH	2020022485
13	MALI VITTHAL ISHWAR	2020022598
14	MISAL MOHINI MAHADEV	2020022579
15	SHILEEN VIDYA SANGAPPA	2020022548
16	CHOUGULE ANAND APPASAB	2020022560
17	BIRADAR PAVITRA BASAGONDA	2020022619
18	KOLI SMEETA MAHANTESH	2020022562
19	KODALKAR SUBHASH SAMBHAJI	2020020785
20	SABALE SURAJ HARIDAS	2020022646
21	DHEPANE SANTOSH SHANKAR	2020020849
22	MAGADUM SIDDHARUDH MALLAPPA	2020022545
23	KATAKAR AUDUMBAR EKNATH	2020022479
24	KULKARNI GAURI SUNIL	2020022614



25	BHANDARE SOHEL RAJU	2020022554
26	KARE KAVITA SUBHASH	2020022496
27	KARAJANAGI AKASH SANGAPPA	2020022482
28	BIRADAR SANKET CHANDRASHEKHAR	2020022541
29	SOUDATTI RAKESH RAJASHEKHAR	2020022626
30	TERADAL CHETAN MURAGEPPA	2020022557
31	SAYAR PANKAJ PANDHARI	2020022625
32	KAROLI GURUNINGAPPA SHIVAPPA	2020022543
33	TELI SADASHIV SHRISHAIL	2020022637
34	JAGTAP ABHIJEET JAGANNATH	2020022486
35	SHIRASHAD SANTOSH RAMESH	2020022501
36	WAGHE GORAKHANATH APPASO	2020020786
37	PATTANASHETTI SANJIV IRANNA	2020022638
38	KADAM LAXMI BASAGONDA	2020022478
39	PATEL ARABAJ SHABBIR	2020022587
40	MANE ARAVIND SIDAGONDA	2020022494
41	JAGTAP ROHIT KONDIRAM	2020022491
42	CHIKODI BASAVANT MURLIDHAR	2020022576
43	PANDHARE PIRAPPA SHANKAR	2020022500
44	PUJARI GURABASU ANNAPPA	2020022612
45	MUNJE PRAMOD APPASAB	2020022480
46	HIRAGOND NIKITA LAXMAN	2020031485
47	KUMBAR RAGHAVENDRA RAJENDRA	2019048438
48	BARAKADE RANI MARUTI	2019043025
49	JADHAV NITIN SANJAY	2020061913

Course Co- ordinater

Estd Commerce & Commer

HOD HOD

Head
Department of Physics
SI R. K. Patll Arts, Commerce
& Science College, Sarach
Tal. Jath, Dist, Sangil



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Physics

"Introduction of Household Instruments and their Repairing"

Academic Year -2022-23

Time Table

Course Commencement: 15/12/2022 to 15/02/2023

Class	Time	Thursday (15/12/2022 to 15/02/2023)	Wednesday (15/12/2022 to 15/02/2023)
Theory	1:30 PM to 2:30PM	SAS	DSP
Practical	2:30PM to 4:30PM	DSP	SAS

Head Department of Physics Shri R. K. Patil Arts, Commerce & Science College, E. Jikh Tal, Jath, Dist, Sangil



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Physics

"Introduction of Household Instruments and their Repairing" Academic Year -2022-23

Attendance Sheet

					JU SI						
Sr. No	Name of Student	7	2	3	4	5	6	7	8	9	10
1	SONAVANE R.S.	300	(a)	all.	Guel	Ab	30th	3H	34	ON	@16
2	BIRADAR V. R.	Bart	(Dul	Bud	Roug	(Day)	Bung	Bud	Det	Que	Bull
3	BIRADAR A.T.	8.6.3	8.1	B.A.T	BAIL	B.A.7	BHI	BIN	B.M.	B.B.	B.P.
4	MANE P. P.	M: PD	71.P	4.00	TA. 98	MA	Pd. P.P	WEL	17.Pr	mpi	-M.P.
5	VHANAMANE RK.	RA	R.R	E.18	R.B	RIG	6. JE	6. DE	(E.)	RIP	6.K
6	NADAF S. H.	Med	West	But	- July	(D)	Mary	Rick	(Bay		(Dur
7	BIRADAR S.C.	Of	de	MIC	ose	866	Par	me.	BL	BLE	Ab
8	TATTITELI M. R.	TIME	TIME	T.mR	AL	TIME	TIME	T'm-R	TIME	T.m.	TIME
9	NILE M. K.	(D)	(X)	(I)	00	W	OF	Qr/	O	X	OF.
10	BIRAJADAR D.S.	COS	(BPS	APS.	BPS.	BOS	BPS	BDS	BDS	gos.	Bos
11	RATHOD S.F.	PSF	PSF.	RBF	PSF.	RSF	RSF	PSF	RIF	RSF	RSP
12	KUMBAR D. R.	Rule	ON	COM	Con	(ON	Out	Osp	(Q)	(Je	Carl
13	MALI V. L	cali	Del.	mali	mol	coll	mail	Doli	md)	Tool	Ed
14	MISAL M. M.	DAG	000	534	OP	1	0	13	8	O	OP
15	SHILEEN V. S.	5.45	SIVE	5.V.S	S.Y.S	5.V.	5 V.S	SVE	545	57	SV
16	CHOUGULE A. A.	Agua	But	Bouk	And A	Boy	Popula	Ab	Port	B	(Page
17	BIRADAR P.B.	(Quil	But	Bunk	april 1	Sang.	Boul	8	Burg	Paris	Buck



18	KOLI S.M.	SKOLL	go	SKAL	SKOW	SKON	SKOLL	Skan	SKAL	Alo	SYO
19	KODALKAR S. S.	PASS.	MS.	BISS	PAR.	Psg.	PES.	PSS.	P\$S	DS.	(RSB
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22	MAGADUM S.M.	MEN	MSM	Mem.	MS.M	m-5m	P45m	M-SM	men	iusm	MSm
23	KATAKAR A. E.	RAS	WAR	PAE.	MAE.	BAE)	BAE,	RAF	BAGI	RHE	BHB,
24	KULKARNI G.S.	2	W/	W/	W	8	×	200	N.	98	¥
25	BHANDARE S. R.	1084	PX8K	BSIR	POR	BSK	BUR	PBR	BOR	189R(BUK
26	KARE K. S.	27	1 th	Ab	24.5	13	27	*** "	24.5	135	Alo
27	KARAJANAGI A.S.	MPS.	PAS.	RAS	BAS.	(A)s	PAS	PAS	PAS	BAS.	RAS
28	BIRADAR S. C.	BSC.	10gc	BSC	Byc i	855	Bye.	as o	84	BE	Ab
29	SOUDATTI R.R.	(Qual	000	30	and	endo	and a	ess	43	all	اللبي
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31	SAYAR P.P.	GP.P	22	38.8	38.8	380	38.2	38.8	38	SP	SRI
32	KAROLI G. S.	RAS.	MAG	Wals.	(ME	KOBIS	ABS.	KOIS!	RH6	KOUS.	Kiges
33	TELI S.S.	Tell	COIS	Tello	Kells	(e) 55	TURS	Telis	(ells	Kell	Red
34	JAGTAP A.J.	RM.	MAX.	RAT	MAY	aps	RMI	KAY'	M	BAT	THY
35	SHIRASHAD S.R.	205	30	250	Charles of	35	W.	"X	in the	48	uga
36	WAGHE G.A.	W G. H	WEA	W61A	WELV.	WEA	WEAR	W-61-P	WHA	WGA	Ab
37	PATTANASHETTI SI	184	181	ps1	PASI	P81	P51	P82	ps1	P51	PSI
38	KADAM L.B.	KTB	KL.B	KL.B	X7.6	Mark and a second	XLB	KL.B	12.2.8	YLE	K.L.
39	PATEL A.S.	Bad	Pared	Palel	FOLHE	SER HE	DUN'S	CONTO	Oly	Soliks	colin
40	MANE A.S.	PW'As	m.d.s	M-ds	mds	W 45	ake.	er As	MAS	MAL	NA5
41	JAGTAP R.K.	5.84	SP.K.	SR.Y.	JRY.	MR.K	JRK.	JRY	J.PX	JRK	JPK
42	CHIKODI B. M.	(C)CAN	Opp	Opm	asm.	Oun	OBM	OBm.	OBIT	OBI	OB
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Estd 2018 Fal-Jath Colors Sangli

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46	HIRAGOND N.L.	ANH	AN.	ANT.	ANT-	MM.	BW.	PAN	HNH.	AHA	PINE
47	KUMBAR R. R.	OFF.	app	OPP.	OFF	APP	Ab	Bee	BIF	Spe	Rpa
48	BARAKADE R.M.	(epm)	apm	egem.	1			BRING	-24	-	1 - C - C - C - C - C - C - C - C - C -
49	JADHAV N. S.	DIS.	gns.	ON	THS.	DIS:	THS	DNS	DNS	J'NS(DNS





Saryeds. HOD

Head
Department of Physics
Shri R. K. Petil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Physics

"Introduction of Household Instruments and their Repairing"

Academic Year -2022-23

Attendance Sheet

Sr. No	Name of Student	9	12	13	14	15	16	17	18	19	20
1	SONAVANE R.S.	31	regel	Ab	3ªL	all	QU'	au .	al	all	3
2	BIRADAR V. R.	Bud	ad	Quel	Buk	Did	Buck	Que	Bud	Al	Que
3	BIRADAR A.T.	B.B.J	BA	BAT	8.05	8.00	8.67	Ab	BAS	8:5	B.P.
4	MANE P. P.	MAD	27.88	MAR	MER	Ab	MeR	Tr.Pi	27.8	W.P	MP
5	VHANAMANE RK.	(P.)S	6.6	6.00	@B	()	6.10	6.19	Rig	RIA	6.13
6	NADAF S. H.	But	Que	Bluk	Ab	Burg	But	Burk	(Quy	3	Day
7	BIRADAR S.C.	600	SER	SCB	S.CB	AL	560	5.00	SCE	50.6	5.09
8	TATTITELI M. R.	(MBI	MAS	Sec	Out.	39x	Ger.	Sep.	100	F	A6
9	NILE M. K.	(DX	Q	S	(De	Ab	OX.	(a)	OF	Q*	DE.
10	BIRAJADAR D.S.	Sana	80	C. Contract	- Street	Giral	Ab	Spreed	S. Marie	Sink of	Direct
11	RATHOD S.F.	PAP	1984	PA	(P984	Alo	P98 (FSP.	1287	Ab	PSY
12	KUMBAR D. R.	and	Oil	and	MAL	EUST	CHI	CUL	Ole .	EUR	EN COLUM
13	MALI V. I.	mil	CERL	mali	mali	mel	moli	mali	mali	mi!	real
14	MISAL M. M.	0	129	DT (PH	D	9	De la	C)	M	
15	SHILEEN V. S.	5×5	SNE	ENS	975	SIVE	SYS	5.N.E	S.V	SVE	5.V
16	CHOUGULE A. A.	(Coul	April	Roud	(Add	By	Agust	Dough	Back	Agua	(Page)
17	BIRADAR P.B.	Colu	CON	and	Burg	av	Ab	Bus	But	and a	Bu



18	KOLI S.M.	ASST.	ged!	- Stall	Stall	SKOL	SKOL	SKOL	SXE	SKE	5160
19	KODALKAR S. S.	CHON	145	State	5 HOT	SYS	ALL	416	NO	Ab	250
20	SABALE S.H.	SHE	5.4	Ab	545	46	SHS	2149	ZH	SH	SHE
21	DHEPANE S.S.	10%	00	75	135	(D)	-Ab	TES	NS.	DES	65
22	MAGADUM S.M.	SW.M	SM	S.M	SWI	-16	S.M.	5.MM	SM	Ab	S.MI
23	KATAKAR A. E.	ak	4	Auk	Ant	del	ALK	w/h	44	AN	Mark
24	KULKARNI G.S.	GSM	4	200	Com	(39°	G\$7	Yula	Ab	Go usk	Cando
25	BHANDARE S. R.	BSR	0.8	BSF	B.58	BSR	B.58	BSR	328	Ab	BSH
26	KARE K. S.	44	1	Ab	4	Y	37	3	3/1/	T.K.	1
27	KARAJANAGI A.S.	BOK	REX	Q533	REL	Bt	18	WEST.	· (6)	Ab	BY
28	BIRADAR S. C.	Strate	50	500	650	600	589	Sound	SOM	Alo	Same
29	SOUDATTI R.R.	200	360	568	ERP	8/25	SAR	Ab	SIR	SRR	SRR
30	TERADAL C.M.	chi	000	CZ	-Ab	CS	Chil	- CZMZ	Ab	CUM	-201
31	SAYAR P.P.	GP.P	60	399	3%	MS.	38.8	(3) J	Bel	GRS	(38.8.
32	KAROLI G. S.	(BENOR	Go	Charge	(Cape)	(A)	Govern	Ab	G Yo	25/45	Chouse
33	TELI S.S.	Tells	gelis	Selvo	Tells	relis	AL	rells	seli3	Ell	Telis
34	JAGTAP A.J.	1500	1 3ch	ASSON.	Kody	Magi	Gage	1000	Ab	1500	MADO
35	SHIRASHAD S.R.	39	279	6.5¢	6.68	368	200	0.50	558	650	950
36	WAGHE G.A.	G.	9	4	9	\$	4	4	4	3	Fe
37	PATTANASHETTI SI	5,1,8	SIF	SIP	519	STR	SIP	517	Ab	SIP	SIP
38	KADAM L.B.	KLB	1478	KYB	KYB	Kris	47.78	KLB	KY?	Yr.	KLB
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Head
Department of Physics
Shri R. K. Petil Artn, Commerce
& Science College, Sankh
Tel. Jath, Blot. Sangli

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL – JATH DIST- SANGLI. (Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF PHYSICS



This is to Certify that Mr. /Ms. Gazatri Suni Mulkazni.has successfully completed the Certificate Course Of "Introduction Of Household Instruments And Their Repairing" graduate Department of Physics in the academic year 2022- 23

Co-ordinator

Dr. Dalawai S.P I/C Principal

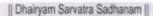
Vc. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangil 416 412

INDEX

Advertise Writing Skill

Year 2022-2023

Sr.no.	Content
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2	Invitation Letter
3	Notice
4	Meeting Notice
5	Syllabus
6	Objectives and Learning Objectives
7	Time table
8	List of participants
9	Attendance
10	Question Paper
11	Certificate





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U.G.Department of Marathi

(Self-Financed certificate course) Short Term Course - 2022-23 Advertise Writing Skill

अनुवाद लेखन कौशल्य

BOS and Experts

1. Name of the Course

: Interview Writing & Personality Development

2. BOS Members

Prof Sonavare Z.S

3. Guest & Expert

Prof. Kharat. P. K.



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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U.G.Department of Marathi

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अन्वाद लेखन कौशल्य

Course Structure

Eligibility

: 12th Pass

Duratio

: 1 Months

Examination Pattern

: Theory

: 50 Marks

Total

Faculty

otal : 50 Marks

: Prof.Kharat P.K.

: Prof. Sonavane L.S.

Co-ordinator

: Head, U.G. Department of Marathi

Shri. R.K.Patil Arts, Commerce and Science College, Sankh.



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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अनुवाद लेखन कौशल्य

NOTICE

दि. 06/09/2022

बी. ए. भाग मराठी विभागातील सर्व विद्यार्थ्यांना कळविण्यात येते की, विभागातंर्गत शॉर्ट टर्म कोर्स सुरु असून या कोर्सचे तास दि. 12/09/2022 पासून सुरु होत आहेत. याचे वैळापत्रक मराठी विभागात लावण्यात आले आहे. याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.



Department of Marathi Shri R. K. Pelli Arts, Commerce & Science Presign, Sankh Tal. Jaco, Link, Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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U.G.Department of Marathi

(Self-Financed certificate course) Short Term Course - 2022-23 Advertise Writing Skill

अनुवाद लेखन कौशल्य

EXAM NOTICE

दि. 17/11/2022

बी. ए. मराठी विभागातील सर्व विद्यार्थ्यांना कळविण्यात येते की, विभागातंर्गत शॉर्ट टर्म कोर्सची परीक्षा दि.21/11/2022 पासून सुरु होत आहे. परीक्षेचे वेळापत्रक मराठी विभागात लावण्यात आले आहे. याची सर्व विद्यार्थ्यांनी नॉद घ्यावी.



Mead
Department of Marathi
Shri R. M. Path Arts, Commerce
& Belevin College, Sankh
Tal. Jack, Dist. Bungli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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अन्वाद लेखन कौशल्य

Syllabus

Unit No.	Unit Name	Lecture Allotted
1	अनुवाद लेखन कौशल्य व स्वरूप	8 Lectures
2	अनुवाद माध्यमे व स्वरूप	8 Lectures
3	अनुवाद लेखनाचे घटक व प्रकार	8 Lectures
4	अनुवाद लेखनाचे महत्व	8 Lectures
	Total Lectures	32 Lectures

संदर्भ ग्रंथ :

- t) संदीप सांगळे : व्यावहारिक उपयोजित मराठी आणि प्रसार माध्यमे, डायमंड पब्लिकेशन्स, पणे
- २) त.रा. नासिराबादकर: व्यावहारिक मराठी, फडके प्रकाशन, आठवी आवृत्ती
- 3) संपादक डी, कल्याण काळे, डी, अंजली सोमण भाषांतर मीमांसा, प्रतिमा प्रकाशन, पृणे
- ४) डॉ. उमा कुलकर्णी भाषांतर मीमांसा, कल्नड मराठी अनुवाद: एक अनुभव
- ५) यशोदा भागवत जाहिरातींच्य जग, मीज प्रकाशन दुसरी आवृत्ती
- ६) आनंद पाटील: स्जनात्मक लेखन, पदयागंधा प्रकाशन, पृणे
- संजय लांडमे उपयोजित मराठी, दिलीपराज प्रकाशन, पणै
- ८) केशब जुपे: माध्यमांची भाषा, लेखन कौशल्य, चिन्मय प्रकाशन, औरंगाबाद
- ९) डॉ. स्नेहल तावरे व्यावहारिक मराठी, स्नेहवर्धन प्रकाशन, पृणे
- to) मराठी भाषा उपयोजन आणि सर्जन दूर शिक्षण केंद्र, शिवाजी विद्यापीठ, कोल्हापुर
- ११) मो.रा. बाळंबे स्गम मराठी व्याकरण लेखन, मराठी श्च्यलेखन प्रदीप, फडके प्रकाशन, कोल्हापूर





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अन्वाद लेखन कौशल्य

Time - Table

Sr.No	Time	Monday	Saturday
1	01.00 to 02.00	Sonavare 23	Sonavane ZS
2	01.00 to 02.00	-	



Head
Department of Marathi
Shri R. K. Patli Arts, Commerce
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Tal. Jath, Dist, Sangli



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अनुवाद लेखन कौशल्य

SR.NO	STUDENT NAME	
1	Barkade Somaling Ramu	
2	!Jadhav Sakshi Sambhaji	
3	!Thorat Puja Mallikarjun	
4	Giddanavar Kiran Vitthal	
5	!Hipparkar Geeta Nanaso	
6	Javir Pundalik Shamarao	
7	Joshi Bhagyashri Vyankatesh	
8	!Narale Pooja Daryappa	
9	Rangatte Amit Adavyappa	
10	Dhane Raju Siddu	
11	!Nagane Archana Appaso	
12	Mali Pranjali Basappa	
13	Hiragond Suyash Subhash	
14	Karve Sandip Habalyappa	
15	Khot Aoudumbar Vithal	
16	Waghamare Vasudha Jalindar	
17	!Khandekar Akshata Prakash	
18	Mali Ramesh Gurappa	
19	Tengale Kedaraba Jayagonda	
20	Chavan Shrinath Rajaram	
21	Kamble Devaraj Shrimant	
22	Teli Basveshwar Somaninga	
23	!Yadav Puja Ganapati	

24	!Nimbyal Dnyaneshwari Babu	
25	Nimbyal Akash Prakash	
26	!Magade Puja Prabhakar	
27	Mali Pramod Birappa	
28	!Jamadade Rupali Uttam	
29	!Shinde Amita Suresh	
30	!Lavate Kirti Dasharath	





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अन्वाद लेखन कौशल्य

EXAM TIME - TABLE

Date	Time	Exam	
21/11/2022	02.00 to 04.00	Theory	



Head
Department of Marathi
Shri R. K. Patil Arts, Commerce
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Tal. Jath, Dist. Sangli



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अन्वाद लेखन कौशल्य

Result - 2022-23

SR.NO	STUDENT NAME	Theory	Result
1	Barkade Somaling Ramu	38	Pass
2	Uadhay Sakshi Sambhaji	42	Pass
3	!Thorat Puja Mallikarjun	46	Pass
4	Giddanavar Kiran Vitthal	35	Pass
5	!Hipparkar Geeta Nanaso	32	Pass
6	Javir Pundalik Shamarao	32	Pass
7	Joshi Bhagyashri Vyankatesh	38	Pass
8	!Narale Pooja Daryappa	30	Pass
9	Rangatte Amit Adavyappa	34	Pass
10	Dhane Raju Siddu	31	Pass
11	!Nagane Archana Appaso	34	Pass
12	Mali Pranjali Basappa	32	Pass
13	Hiragond Suyash Subhash	45	Pass
14	Karve Sandip Habalyappa	31	Pass
15	Khot Aoudumbar Vithal	34	Pass
16	Waghamare Vasudha Jalindar	38	Pass
17	!Khandekar Akshata Prakash	32	Pass
18	Mali Ramesh Gurappa	31	Pass
19	Tengale Kedaraba Jayagonda	38	Pass

20	Chavan Shrinath Rajaram	34	Pass
21	Kamble Devaraj Shrimant	31	Pass
22	Teli Basveshwar Somaninga	30	Pass
23	!Yadav Puja Ganapati	30	Pass
24	!Nimbyal Dnyaneshwari Babu	38	Pass
25	Nimbyal Akash Prakash	30	Pass
26	!Magade Puja Prabhakar	30	Pass
27	Mali Pramod Birappa	30	Pass
28	!Jamadade Rupali Uttam	39	Pass
29	!Shinde Amita Suresh	31	Pass
30	!Lavate Kirti Dasharath	30	Pass





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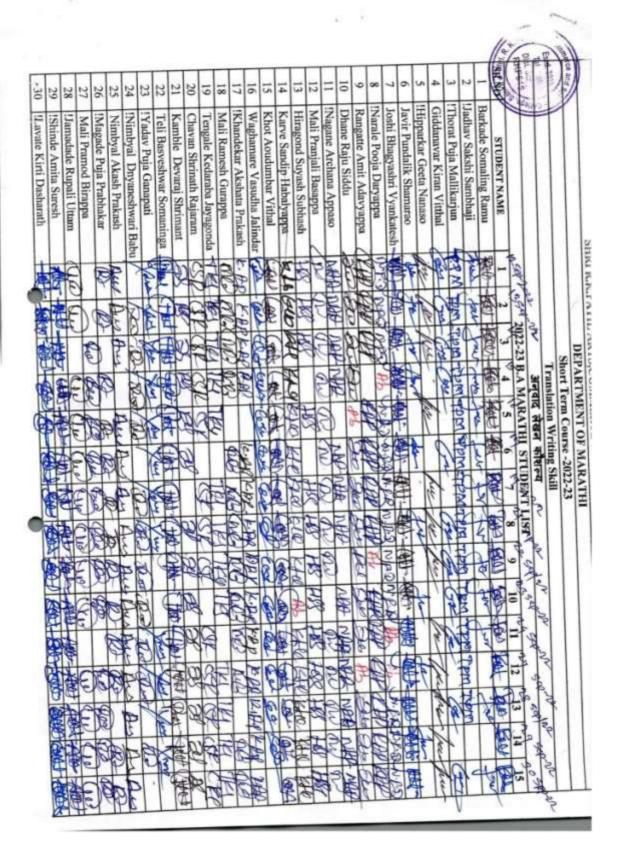
(Self-Financed certificate course) Short Term Course-2022-23 Advertise Writing Skill अन्वाद लेखन कौशल्य

अहवाल

मराठी विभागाने २०२२-२३ या वर्षासाठी अनुवाद लेखन कौशल्य या विषयात अँड ऑन कोर्स आयोजित केला होता. या अभ्यासक्रमासाठी या वर्षा ३० विद्याध्यांना प्रवेश देण्यात आला. अनुवाद लेखन कौशल्य या विषयाचे जान वाढवण्याच्या उदेशाने हा अभ्यासक्रम आयोजित करण्यात आला होता. अनुवाद लेखन कौशल्य या विषयाचे महत्त्व विद्याध्यांना मिळाले. हा अभ्यासक्रम यशस्वीरित्या पार पडला ज्यामध्ये वेळापत्रकानुसार ९०% व्याख्यांने झाली. या परीक्षेत 100% विद्यार्थी उपस्थित होते. यशस्वी विद्याध्यांना प्रमाणपत्र वाटप करण्यात आले.

Estd 2018
Tal-Jath Dist Sangli

Head
Department of Marathi
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
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SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH.

TAL – JATH DIST- SANGLI. (Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF MARATHI



CERTIFICATE

This is to Certify that *Mr. /Ms.* Thorat Puja Mallikarjun has successfully completed the "Certificate Course Advertise Writing Skill Department of Marathi in Ist Class in the academic year - 2022-23

Co-ordinator

Dr. Dalawai S.P. I/C Principal



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in



Department of History

Certificate Course

2022-23

A Certificate Course in Travel and Tourism



Index

Sr. No	Name of the documents	
1	Permission letter	
2	Meeting Notice	
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5	Time table	
6	Syllabus	
7	Registration	
8	Question paper	
9	Attendance	
10	Certificate	

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: College : rkpcollegesankh@gmail.com ### Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Date: 11/07/2022

al,

Art, Commerce

- College, Sankh.
- st-Sangali.416412
- : Regarding permission to commencement of certificate Course in "Travel and Tourism"

sir,

the reference to above subject, our History department is going to conduct A Course in Travel and Tourism for B. A – I Students in this year academic year I request you to give us permission to conduct above said course.

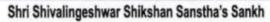
ou,

Per mil Siro (manded)

Yours Faithfully Head' Department of History

& Science Commerce

& Science Commerce
Tal. Jath, Disc. Sangii



Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.



Meeting Notice

The meeting of the members of BOS in certificate course (A Certificate Course in Travel and Tourism) it's in is conveyed on 15 July 2022 for the preparation of syllabus.

Sr. No	Name	Position	Signature
1	Mr.Dalawai.S.P	Chairman	Posa.
2	Mr.Sathe .S.D.	Co-rodinator	15 ale
3	Miss.Pujari.P.P.	Member	pach
4	Mr.Mulla.F.M.	Member	Chedy
5	Mr.Koli.B.K.	Member	Bek

HOD

P'Head & Scien Teledato, Diei, beingt ikh

Principal

I/c. Principal, Shri R. K. Patli Arts, Commerce Scionce 1 Sankh, Tal. Jath, Dist. Sangli 415 41

Department of HISTORY

Academic Year -2022-23

(Certificate Course in Travel and Tourism)

Minutes of Meeting

The meeting of the members of BOS in certificate course in Certificate Course in Travel and Tourism is held on 25/07/2022 for the preparation of Course syllabus. The following members of present and prepared the syllabus of the above course and submitted to Co-ordinator.

Sr. No	Name	Position	Signature
1	Mr.Dalawai.S.P	Chairman	7000
2	Mr.Sathe .S.D.	Co-ordinator	Sale
3	Miss.Pujari.P.P.	Member	pachi
4	Mr.Mulla.F.M.	Member	Mulla
5	Mr.Koli.B.K.	Member	(MK-

HOD

Head'
Department of History
Shri R, K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli

- and

Principal

I/c. Principal,

Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangii 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Notice

All the B.A.-I students are here by informed that going to organize your certificate courses (Certificate Course in Travel and Tourism) has been scheduled from 27/07/2022 to 07/09/2022 kindly remain present at prescribed time in lecture hall.



Course Co-ordinator



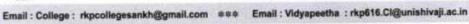
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PH: 02344-299127. Mob.: (O) 7448000616.



Department of HISTORY

Certificate Course in Travel and Tourism

Academic Year -2022-23

Time Table

Course Commencement: 27/07/2022 to 07/09/2022

Class	Time	Wednesday 27/07/2022 to 07/09/2022	Thursady 28/07/2022 to 01/09/2022	Friday 29/07/2022 to 02/09/2022
Theory	1:30 PM to 3:30PM	Sathe. S. D.	Sathe .S.D.	Sathe .S.D.



Department of History Shri R. K. Fatt Arts & Science Tal. Jath, Dist. Sangli



TITLE- 'TRAVEL AND TOURISM'

Aims & Objectives:

The main objective of this Programme is To provide training, skill development and education needed to prepare

- individuals for effective job performance in the hospitality, tourism industries.
- To help the students grasping knowledge about various functions in Travel
 To provide training, skill development and education needed to prepare
- individuals for effective job performance in the hospitality, tourism industries.

To help the students grasping knowledge about various functions in Travel and Tourism. To develop problem solving skills in students

- To develop ability and to acquire the skill and knowledge of terms, facts,
- Concepts, processes, techniques and principles of Travel and tourism. To expose and to develop interest in the fields of T T

. Learning Outcomes:

On completion of this program, students will be able to understand:

To analyze the investment trends and hospitality development patterns of

International hospitality firms. To identify emerging overseas markets for tourism and hospitality

- Development. To understand the socio-economic impact of developing tourism industry in
- Developing countries. To understand the management functions of tourism and hospitality industry
- Including human resource management, financial management, marketing and technology applications.
- 1. Duration of course: 45 Days
- 2. Eligibility to course: Students studying in B. A. 3.

Admission: On the basis of merit Evaluation System: All the students will be continuously evaluated by,

- a. One final examination (One paper) 50 M
- b. Nature of Theory question paper:
- Exam is of Objective type. Total 15 objective type questions and 10 one line type questions
 Each question carrying 2 marks. (50 marks)

Grades: A grade= above 75, B grade = above 60, C grade = above 50

Certification: A certificate will be issued on successful completion of the course.



Syllabus Title of Paper: TRAVEL AND TOURISM

Unit 1: Objective of Curriculum (10 lectures)

- a) Detail about national and international tourism
- b) To inform different aspects of tourism business
- c) To inform the students about skill in tourism business for selfemployment
- d) To introduce practically about different units in tourism

Unit 2: Concept of Tourism and Scope (10 lectures)

- a) World tourism History, tourism History
- b) Map transportation, temperature and climate
- c) Latitude, altitude
- d) Tradition and culture, State wise festivals in India

Unit 3: Utility and Methods of Tourism Travel (10 lectures)

- a) What is tourism?
- b) Reason intention how where went to travel and methods of travelling

Unit 4: Communication: Art and Practical (10 lectures)

Planning design project office management communication skill use of computer planning of tour communication in English.

Unit 5: Field Visit (05 lectures) References:

- 1) Bhatia A. K.: International Tourism Fundamental & Practices, Sterling Publishers, New Delhi, 1995.
- Bhatia A. K: Tourism Development: Principles, Practices & Philosophy Sterling Publishers, New Delhi, 1995.
- Douglas Pearce: Tourism Today: A Geographical Analysis, Longman Scientific Technical, New York, 1987.
- Douglas Pearce: Topics in Applied History, Tourism Development, Longman Scientific Technical, New York, 1995.
 - Negi J. M. S.: Tourism & Travel Concepts and Principles, Gitanjali Publishing House, New Delhi.
 - 6) Robinson H.: A History of Tourism, Mac Donald & Evans London, 1978.
 - 7) Selvam M.: Tourism Industry in India, Himalayan Publishing House, Bom and Tourism. To develop problem solving skills in students.
- To develop ability and to acquire the skill knowledge of terms, facts concepts, processes techniques and principles of Travel and tourism. To expose and to develop interest in the fields of TT.
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- Including human resource management, financial management, marketing and technology applications.
- 1. Duration of course: 45 Days
- Eligibility to course: Students studying in B. A.
- Admission: On the basis of merit Evaluation System: All the students will be continuously evaluated by,



Students Registration

Department of HISTORY

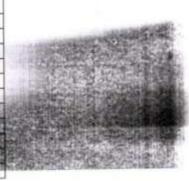
Certificate Course in Travel and Tourism

Academic Year -2022-23

Sr.No	Students Name
1.	CHOUGALE UTTAM VILAS
2.	SWAMI BASAYYA SHIVAYYA
3.	MALI AVINASH MAHADEV
4.	CHOUGULE PAVAN SHANKAR
5.	KOLI KAVERI HANAMANT
6.	SHAMBARAGI SOMU ASHOK
7.	CHOUGULE SUSHILKUMAR SADASHIV
8.	JAVIR PUNDALIK SHAMARAO
9.	NAGANE ARCHANA APPASO
10.	SWAMI SHRINIVAS RAJENDRA
11.	PATTANASHETTI MAHANTESH SIDARAY
12.	PAWAR SWAPNIL MAHADEV
13.	KHANDEKAR AKSHATA PRAKASH
14.	PUJARI BHAGYASHREE MALLAPPA
15.	TELI BASVESHWAR SOMANINGA
16.	KARLE SAGAR APPASAB
17.	BIRADAR GOUDAPPA BHIMANNA
18.	MALI RAMESH GURAPPA
19.	AJAMANI MAYAKKA PRAKASH
20.	MANG BHIMARO MALAKARI
21.	WAGHAMARE VASUDHA JALINDAR
22.	SARGAR VUAY BHAUSAB
23.	SHINDE AMITA SURESH
24.	AWALE AJINKYA PRATAP
25.	GADADE SACHIN HANAMANT
26.	KARUWAD HANAMANT BASAVRAJ
27.	YADAV PUJA GANAPATI
28.	DHANE RAJU SIDDU
29.	RACHAGOND AKASH KASHIRAM
-	NANDYAL VINOD MAYAPPA
30.	GOTHE SHASHWAT SIDDANNA
31.	BIRADAR PRAVEEN MALLIKARJUN
32.	Director



33.	KHOT AOUDUMBAR VITHAL
34.	THORAT PUJA MALLIKARJUN
35.	KOLI SHRIDHAR SOMANING
36.	KUMBAR GANGABAI SABU
37.	SHINDE PUNIT SAMBHAJI
38.	BEDAGE SACHIN ARUN
39.	JOSHI BHAGYASHRI VYANKATESH
40.	KAMBLE DEVARAJ SHRIMANT
41.	MALI PRANJALI BASAPPA
42.	KAMBLE SHUBHAM TUKARAM
43.	BUJARAGI VINAYAK MAHADEV
44.	MANE PRAMOD VITHOBA
45.	GUNAKI GOPAL GOUDAPPA
46.	PADADODAR JAYASHREE SHEELISHIDDA
47.	BIRAJADAR DUNDAPPA BASAPPA
48.	SHENDAGE ABHISHEK ASHOK
49.	SHINDE SUSHILKUMAR DHARMRAJ
50.	TENGALE KEDARABA JAYAGONDA
51.	BORAMANI BHUVANESHWARI KASHINATH
52.	ROTTI HANAMANT ARJUN
53.	CHAVAN SHRINATH RAJARAM
54.	NARALE POOJA DARYAPPA
55.	GODEKAR SHRINATH VITTHAL





Shri Shivalingeshwar Shikshan Sanatha's Sankh

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Department of HISTORY

Certificate Course in Travel and Tourism

Academic Year -2022-23

	Type: MCQ	UNIT -1	
1. Tourism secto	r creates more	opportunities	1
1. Job 2. F	und raising 3. Profit makir	ng 4. Attractive	
2. Eco tourism re	elates to		
1. Econom	nic system 2. Financial syst	em 3. Nature 4. E-commerce	e
3. International	tourism helps to earn		
1. Goodw	ill 2. Foreign exchange 3. I	mage building 4. Collaborati	ve Business
4i	s the cultural capital of Inc	dia	
1. Mumb	ai 2. Delhi 3. Nagpur	4. Bangalore	
5. Availability of	of trained	is essential for tourism	
4 Manne	2. Candidates 3.	Caterers 4. Hoteliers	网络安徽等
6 India needs	to change its	marketing approach to I	modern marketing approach
or developing	Tourism.	1998	
1. Plann	ing 2. Organising 3.	raditional 4. Management	tive Business

7. Shilp-Gram mela is organised in	
1. Ajmer 2 Agra 3. Delhi 4.Rajasthan	
8 country in Asia is emerging a	s the leading tourist destination
1. Indonesia 2. Thailand 3. China 4. Nep	al
9holidays are one of the type	of tourism
1. Wellness and health 2. Music and Rec	reation 3. Sports 4. Entertainment
10 has successfully tapped the Asi	an tourism market in terms with competition.
1. Bangladesh 2. Malaysia 3. Singapore	4. India
1. India is thespender on tourism	n
1. Lowest 2. Highest 3. Moderate 4. Neg	digible
12does not play any role in	growth of tourism in India
1. Public Sector 2. Private Sector 3. Qua	si Sector 4. Micro small industries
13 is a unique tourism product	organised in the state of Maharashtra.
1.Kumbh mela 2. ShilpGram Mela 3. Pu	shkar Mela 4. Odissa handicraft Festival
4provides traditional crafts design	ned for shopping purpose in the capital city of India
1. Noida 2. Dilli haat 3. Chandigarh 4	. Chennai
5. Indianare not part of	f tourism for attracting foreigners
1. Places 2. Art 3. Paintings 4. food	and taste
6. Tourism destination planning relates to p	lanning of
1 Cappings 2 Sculptures 3. Architectu	ure 4. Places
7. Tourism andshould go together for pr	omoting tourism activities in India
1. service Industry 2. Product 3. Plann	ing 4. Hotel
1, service	

18. Tourism activ	rity is	generating activity
1. Income	2. Recreation 3. Trav	vel 4. Destination
19. Advertising a	gencies create jobs i	infield
1. Banking	2. Copywriters 3. P	Production Department 4. Technology field
20. The place at v	which a traveller ter	minates his journey is called

1. Destination 2. Domestic Tourism 3. Excursionist 4. Mass tourism



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Student Name Student Anne Student Attendance List Date D							֡										
Student Name Student Name Student Attendance List Student Attendance List Student Attendance List Student Name Student Name Student Name Student Attendance List Date				5	מוניו	1						l			١		
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23	SHINDE AMITA SURESH	80	610	BB	CHB)	OB	BB	80	183	3	00	BB	88	Q S	岛	103
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Department of History
Shri R. R. Pail Arts. Cammeres
& Science Callage, Sankh
Tall. Jath, Diet. Sangli

SHRI. SHIVALINGESHWAR SHIKSHAN SANSTHA'S

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH.

TAL - JATH DIST- SANGLI.

(Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF History



This is to Certify that Mr. /Ms. JOSHI BHAGYASHRI VYANKATESH has successfully completed the "Certificate Course in Travel and Tourism Department of History in the academic year 2022-23.

Co-coordinator

I/C Principal

I/C Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V/100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

DEPARTMENT OF MATHEMATICS

Academic Year 2022-23

REPORT OF CERTIFICATE COURSE

in

"Mathematical Computation Using Python"

(2022-23)

By

Department of Mathematics

Shri R. K. Patil Arts, Commerce & Science College, Sankh.

(2022-23)

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10	Practical Exam Notice
11	Question Paper
12	Certificates



Shri Shivalingeshwar Shikshan Sanstha's Sankh

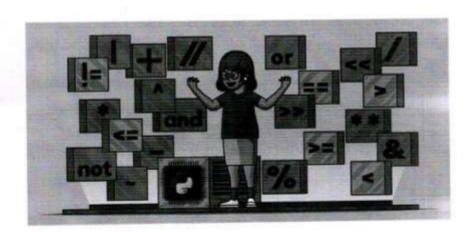
Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Certificate Course In "Mathematical computation using Python"





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Ref.No.

Date: 20/01/2023

To.

The Principal,

Shri. R.K.P. Art, Commerce

and Science College, Sankh.

Tal-Jath, Dist-Sangali.416412

Subject: Regarding permission to commencement of certificate Course in "Mathematical computation using Python"

Respected sir.

With the reference to above subject, our Mathematics department is going to conduct certificate course in "Mathematical computation using Python" for B.sc - I Students in this year academic year (2022-23). So, I request you to give us permission to conduct above said course.

Thanking you,

want de service

Yours Faithfully

Head

Department of Mathematics Shri R. K. Antil Arts. Commerce & Science Colonge, Sankh

Tal. Jath, Dist. Sangil



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Meeting Notice

The meeting of the members of BOS in certificate course (A Certificate Course in "Mathematical computation using Python") it's in is conveyed on 22 Jan 2023 for the preparation of syllabus.

Sr. No	Name	Position	Signature
1	Mr.Dalawai.S.P	Chairman .	- sedi.
2	Mrs. Udageri V.S.	Co-rodinator	As-
3	Mr. Kanamadi B.M.	Member	BING
4	Mr.Bhirgond M.P	Member	more

Head

Department of Mathematics Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangii

Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412

Aims and Objectives :-

Students Should

- 1. Learn the fundamentals of writing Python Scripts.
- 2. Write Python Functions to Facilitate code reuse.
- 3. Use python to read and write files.
- 4. Work with python standard library.

OBJECTIVES OF COURSE

- To identify the different components of the Python.
- · To enter text and formulas in to an Python.
- To construct formulas to manipulate numeric data in an Python.
- · To access and manipulate data using the database functions of Python.
- To learn Python Features and how activities can be performed effectively and efficiently. Using Python.
- Use of Advanced Python formulas and features in intensive data analyses.
- To explore the magic of analyzing data using Advanced Python.
- Mathematical data analysis using Python.

NATURE OF PROGRAMME

Period of Course: 01/02/2023 to 9/3/2023

Duration of Course: 30 Hours

Eligibility of Course: 12th Pass

Intake capacity: 30 Student

Admission: First come first served basis

Registration fee: No



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DEPARTMENT OF MATHEMATICS

SYLLABUS FOR CERTIFICATE COURSE in "MATHEMATICAL COMPUTATION USING PYTHON"

Syllabus to be implemented from July 2019 to onwards.

Aims and Objectives:-

Students should

- 1. learn the fundamentals of writing Python scripts.
- 2. write Python functions to facilitate code reuse.
- 3. use Python to read and write files.
- 4. work with Python standard library

Course Outcomes:-

- 1. Student acquire knowledge about writing Python scripts
- 2. Write Python functions to facilitate code reuse.
- 3. Works with Python standard library.

Period:-

The duration of the course is 30 days

Evaluation System:-

Attendance	Practical	Exam	Total
20 Marks	50 Marks	30	100 Marks
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Nature of Theory question paper:

In The theory question paper, there will be 15 Multiple Choice questions (MCQ) Each MCQ have four options.

All MCQ's are compulsory.

Each MCQ carries 2 marks.

Nature of Practical question paper:

In the practical question paper, there will be six questions each of 10 marks; a student has to attempt any four questions out of six.

Evaluation of the questions will be online and should be demonstrated to be

Practical examination is of two hours duration which includes viva examination and online demonstration.

5 Marks for Viva.

Certification: A certificate will be issued on successful completion of the programme.

(Introduced from July 2019)
Title of Course: Mathematical Computation Using Python

Theory: 24 Hrs. (30 Lectures of 48 minutes) 100 Marks-

1. Introduction to Python:

01

lecture

Python, Anaconda, Spyder IDE, Python Identifiers and Keywords, data types, simple mathematical operation, Indentation and Comments., Input and Output, First Python program.

02

Gauss Elimination Method, LU Decomposition Methods

9. Systems of linear algebraic equations:

lecture

10. Roots of Equations: lecture	02
Bisection, Newton-Raphson Method	
11. Initial Value Problems: lecture	02
Euler's Method, Runge-Kutta Methods.	
12. Magic square and Area calculation without measurement. lecture	01
13. Graph Theory: Networkx lecture	02
Grpah, nodes, edges, directed graph, multigraph, drawing graph, Goo random walk method	glepage rank by
14. Collatz conjecture and Monte Hall problem lecture	02
15. Data compression using Numpy lecture	02
16. Data visualization in Python: lecture	02
2D and 3D plot in python line plot, bar plot, histogram plot, scatter pl	lot, pie plot, area

Recommended Book:

1. Jaan Kiusalaas, Numerical Methods in Engineering with Python 3,

Cambridge University Press.

plot, Mandelbrot fractal set visualization.

- 2. Amit Saha, Doing Math with Python, No Starch Press, 2015.
- 3. Yashwant Kanetkar and Aditya Kanetkar, Let Us Python, BPB Publication, 2019.



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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NOTICE

Date: 30/01/2023

All the students of all faculties are hereby informed that, our department is going to conduct Certificate course in "Mathematical computation Using Python" for UG Students from 01/02/2023 in this academic year.

The nature of course is as follow:

Duration of Course

: 30 Hours

Eligibility of Course

: All UG Students of any faculty

Admission

: First come first served basis

Maximum no. of student

: 30

Time:

: 1.30 am to 2.30 am (Monday to

Saturday)

Those students, who are interested for this course, confirm your admission by register your name before 31/01/2023 in departmental cabin.



Department of Mathematics Shri R. K. Patil Arts. Commerce & Science College, Sankh Tal. Jeth, Dist. Sangli

Certificate Course in

"Mathematical Computation using Python"

Time Table

Day Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.30 Pm to 2.30 Pm	Theory (U.V.S)	Theory (U.V.S)	Theory (U.V.S)	Theory (K.B.M)	Theory (K.B.M)	Practical
2.30 Pm to 03.30 Pm		*****	*****	*****	*****	(K.B.M)



Head
Department of Mathematics
Shri R. K. Patil Arts, Cornmerce.
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Certificate Course in "Mathematical Computation using Python"

List of students

Sr.No	Name of Student
1	Sawant Dayanand Shahaji
2	Hiragond Anita Channappa
3	Biradar Jakkavva Dhareppa
4	Akki Vinod Arun
5	Kumbar Anand Ganapati
6	Patil Sahana Mahesh
7	Ankalakot Shrishail Shivanand
8	Bamane Rajashree Layappa
9	Biradar Shruti Mallikarjun
10	Biradar Shweta Gururaj
11	Jamagond Bhimanna Mallikarjun
12	Kale Satish Subhash
13	Kattimani Nikita Sabu
14	Kundale Akshata Gopal
15	Malhalkar Arun Babaso
16	Moradi Dhondappa Manohar
17	Nagane Maheshwari Sambhaji
18	Pawar Laxmikant Bhairavnath
19	Rathod Bhimarao Devappa
20	Shinde Vaibhav Vilas
21	Shingade Adik Raghoba
22	Shingade Sachin Shankar

Course Co-ordinator



HOD

Head

Department of Mathematics Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli

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Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Mathematics

Date: 13/03/2023

Notice

All students of COC in "Mathematical Computation using Python" is here by informed that the practical exam is held on the date 14/03/2023 at 8.00am attain the same.

Shri R. K. Pott Arts unmerce & Science College, Sankh Tal. Jath, Dist. Sangli

(Co-ordinator)

Department of Mathematics

Academic Year 2022-23

Certificate Cource in Mathematical Computation using Python

Practical Examination

Date - 14/03/2023 Time - 3 hrs Marks - 50(40+10 oral)



nstruction: 1) All questions are compulsory.

2) Figures to right indicates full marks.

- Q.1) A) Write a code to find the numerical solution of differential equation $\frac{dy}{dx} = f(x, y)$ with mitial condition $y=y_0$ when $x=x_0$, using Euler's Modified method.
- B) Rune the Euler's modified method program to solve $\frac{dy}{dx} = x + y$ and y(0) = 2, take b=0.1 and find the value of y at x=0.5

OR

- Q.1) A) Write a code to find the Newton-Gregory forward interpolation method.
- B) Rune the Newton-Gregory forward interpolation method program to find the value of y at x=0.46 from the data given below

-	0.5403	0.4536	0.3624	0.2750	0 2212
X	0.5403	1.1	1.2	1.3	1.4

- (2.2) A) Write a code to find the numerical solution of differential equation $\frac{dy}{dx} = f(x, y)$ with initial condition $y=y_0$ when $x=x_0$, using fourth order Runge-Kutta method.
- B) Run the fourth order Runge-Kutta method program to solve $\frac{dy}{dx} = x^2y$ and y(0) = e, take h=0.1 and find the value of y at x=1.

OR

- ().2) A) Write a code to find the integration using Simpsons 1/3^{nt} method.
 - B) Run the Simpsons $1/3^{nl}$ method program to evaluate integration $\int_0^1 \frac{1}{1+x} dx$ for 4 strips.
- Q.3) Solve ay Two of the following problems by using python code.

a) Find the value of 61

- b) Find the addition of two polynomial of $x^2 + 4x 9$ and $x^2 + 8x 8$
- c) Find the determinate & inverse of the matrix $\begin{bmatrix} 1 & 0 & -1 \\ 1 & 2 & 1 \\ 2 & 2 & 3 \end{bmatrix}$
- d) Plod 2D graph of the function e^x for $x \in [-4,4]$



II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course in VERMI-TECHNOLOGY



Department of Zoology Shri R. K. Patil Arts, Commerce and Science College, Sankh. Tal-Jath, Dist-Sangli



Index

Sr. No	Name of the documents
1	Brochure
2	Permission letter
3	Invitation letter
4	Meeting Notice
5	Syllabus
6	List of enrolled students
7	Time table
8	Attendance sheet
9	Reports
10	Certificate





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Ref.No.

Date:01/12/2021

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Vermi-technology.

Respected sir,

With the reference to above subject, our Zoology department is going to conduct certificate course in Certificate Course of Vermi-technology for B. Sc. Students in this year academic year (2021-22). So, I request you to give us permission to conduct above said course.

Thanking you,

Department of Zoology
Shri R. K. Patil Arts Commerce
Shri R. K. Patil Sollogy Sankh
Scilloptis Heathfully
Tal. Jatti.





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Email: College: rkpcollegesankh@gmail.com ### Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Ref.No.

Date: 02/12/2021

Invitation Letter

To,

Mr. S. Sajjan

Head, Department of Zoology

R. R College Jath, Tal- Jath,

Dist-Sangli.416404

Subject: Invitation for BOS meeting for the certificate

Course in Vermi-technology

Dear Sir,

I am pleased to inform you that you have been appointed as a member of BOS for the certificate course on "A Certificate Course in Vermi-technology." Department of Zoology is going to organize BOS meeting on 05/12/2021 The meeting will start at 11.00 am. I expect that you will accept our invitation and oblige

Thanking you

Head
Department of Zoology
Shri R. Yours faithfully ankh
a Science Company
Tal. Jath, Dist. Sangii





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Department of Zoology

Certificate Course in Vermi-technology

Academic Year -2021-22

Minutes of Meeting

The meeting of the members of BOS in certificate course in Vermitechnology on 8 th December 2021 for the preparation of Course syllabus. The following members of present and prepared the syllabus of the above course and submitted to Co-ordinater, Shri. R.K. Patil. ACS College, Sankh.

Sr. No	Name	Position	Signature
1	Dr. S.P. Dalawai	Chairman	- Balance
2	Mr. G.S. Mali	Co-rodinator	005
3	Mr. S.D. Gobbi	Member	SD.Gobbi
4	Mr. B.R. Madgyal	Member	moleral

Head
Department of Zoology
Shri R. K. Patil Arts, Commerce
& Science CHOD Sankh
Tal. Jath, Dist. Sangli

I/c. Principal,
Shri R. K. Patil Arts. Commerce Science College
Sankh, Tal Dillings Palngli 416 412





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Zoology

Certificate Course in Vermi-technology Meeting Notice

The meeting of the members of BOS in certificate course in Vermi-technology is conveyed on 7th December 2021 for the preparation of syllabus.

Sr. No	Name	Position	Signature
1	Dr. S.P. Dalawai	Chairman	Presa.
2	Mr. G.S. Mali	Co-rodinator	88
3	Mr. S.D. Gobbi	Member	SDGobbi-
4	Mr. B.R. Madgyal	Member	madgal

Head
Department of Zoology
Shri R. K. Frail Arts, Commerce
& Science HODge, Sankh
Tal. Jath, Dist. Sangli

I/c. Principal,
Shri R. K. Patil Arts, Commerce Science College,
Sankh, Tap 1411 Cliptal angli 416 412





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Vermi-technology

Duration and Intake Capacity -

Duration	Awards	Intake Capacity	
03 Months	Certificate	50	

Objective:

- 1. To build an interest about Vermicompost, Vermiwash & Vermiculture among the students
- 2. To build entrepreneurship skills among the students
- 3. To encourage students about culture & management of Earthworms
- 4. To encourage the students for organic farming with the help of vermitechnology.
- 5. To aware the students about diseases and pests of Earthworm.

Learning Outcomes :

- 1. Students can construct their own compost in farm & can get monthly income.
- 2. Students/ farmers by using vermincompost can increase the productivity.
- 3. Students can produce vermin-compost on small scale for garden/household plants.
- The candidate can generate income by supplying vermin-culture, vermiwash, & vermincompost.
 - 5.He/she will directly or indirectly help to reduce environmental pollution.

Syllabus:

Unit 1	1.1 Vermicomposting: Introduction and Scope, History, their value in maintenance of soil structure, role as four r's of recycling: reduce, reuse, recycle, restore. 1.2 Types of Earthworm and Classification Epigeic, Endogeic, Diageic species. Useful species of earthworms. 1.3 Life history of Earthworms (Earthworm Species: Eisenia foetida/Eudrillus euginae) 1.4 Objectives of Vermi-compos
Unit 2	2.2 Methods of Vermicomposting: Small and large scale Bed method, Pit method. 2.3 Vermi-compost Production: Establishment of Vermicomposting and Vermi-wash unit



	2.4 Pests and diseases of Earthworms	
Unit 3 Unit 4	3.1 Management of vermin-compost bed 3.2 Harvesting the Compost & Vermi-wash 3.3 Storage and packaging of vermin-compost	
	3.4 Physico- chemical analysis of vermin-compost	
Unit 4	4.1Components of vermin-compost and their role in agriculture 4.2 Importance and use of vermicompost 4.3 Importance & use of vermin-wash	
	4.4 Marketing & awareness for farmers by organizing farmers meet	

Practical's

- 1. Classification of Earthworm
- 2. Study of external morphology of Earthworm- Eisenia foetida
- 3. Study of habit and habitat of Earthworm-Eisenia foetida
- 4. Study of Digestive system of earthworm
- 5. Study of Reproductive system of earthworm
- 6. Study of cocoon and juvenile stages of earthworm.
- 7. Study of Pests and diseases of Earthworm
- 8. Establishment of vermicomposting unit: Pit method
- 9. Establishment of vermicomposting unit: Bed method
- 10. Establishment of vermin-wash unit
- 11. Vermicompost production, harvesting and packaging.
- 12. Study the effects of vermin-compost & vermin-wash on crops.

Contacts:

Coordinator Name: Mr. G.S. Mali

Faculty Name: 1) S.D. Gobbi 2) Mr. B.R. Madgyal





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Zoology Vermi-technology B.Sc – II Academic Year 2021-22

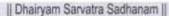
List of enrolled students

r.No	Name of Student	Sr.No	Name of Student
1	Koti Santosh Chandrashekhar	23	Jadhav Nitin Sanjay
2	Pujari Gurabasu Annappa	24	Jagtap Abhijeet Jagannath
3	Athani Ravindra Sanjay	25	Jagtap Rohit Kondiram
4	Barakade Rani Maruti	26	Kadam Laxmi Basagonda
5	Bhandare Sohel Raju	27	Kadam Vishal Jitendra
6	Biradar Pavitra Basagonda	28	Kamble Sukanya Prakash
7	Biradar Pratibha Ramachandra	29	Karajanagi Akash Sangappa
8	Biradar Sanket Chandrashekhar	30	Kare Kavita Subhash
9	Biradar Shivabai Ashok	31	Karoli Guruningappa Shivappa
10	Biradar Supriya Chidanand	32	Katakar Audumbar Eknath
11	Biradar Vidya Vithal	33	Khilegaon Dayanand Subhash
12	Chikodi Basavant Murlidhar	34	Khilegaon Dharesh Ramesh
13	Chougule Anand Appasab	35	Kodalkar Subhash Sambhaji
14	Damani Ravi Basaningappa	36	Koli Ajeet Gopal
15	Devresh Kiran Maddu	37	Koli Smeeta Mahantesh
16	Dhepane Santosh Shankar	38	Kulkami Gauri Sunil
17	Dudhal Akash Piraji	39	Kumbar Dundappa Ramesh
18	Erande Krushna Mahadev	40	Magadum Siddharudh Mallappa
19	Gadade Laxman Vitthal	41	Mane Aravind Sidagonda
20	Ghali Vinayak Mahadevappa	42	Mane Navanath Maruti
21	Honamore Satish Yadappa	43	Karoli Guruningappa Shivappa
22	Jadhav Kedari Mahadev	44	Katakar Audumbar Eknath

Course Co-ordinator



Head
Departition of Zoology
Shri R. K. Perli Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Zoology

Vermi-technology

Academic Year -2021-22

Timetable

Sr. No	Time	Day	Day
1	3.30 to 4.30 pm	Monday (Lecture)	Saturday (Lecture)
2	4.45 to 5.45 pm	Monday (Lecture)	Saturday (Practical)

Course Coordinator

Head
Department of Zoology
Shri R. K. Pati HOD Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Department of Zoology Vermi-technology Academic Year 2021-22

Sr. No	Name of Student	1	2	3	4	5	6	7	8
1	Koti Santosh Chandrashekhar	3	Bak	Bali.	Boff	Bali	RH	BH	Ball
2	Pujari Gurabasu Annappa	GAP	GAP	GAP.	GAP	GAP	GAP	GAP.	GAP
3	Athani Ravindra Sanjay		100	胭	as	ABS.	ABS-	BE	AE
4	Barakade Rani Maruti	301	Baye	100	BRD	(Bau)	600	(BM)	历史
5	Bhandare Sohel Raju	8.56	850	8.5 B	R. S. R	8.5. R	8.5 R	B. S. R	8-5-6
6	Biradar Pavitra Basagonda	929	32.B	898	BPB	BPR	BRB	1000	BPB
7	Biradar Pratibha Ramachandra	De.	Be	BR	BR	Be	Be	130	30
8	Biradar Sanket Chandrashekhar	Silve	Trade	Bent	Nagar.	Brid	SBO	S. Sind	Dine
9	Biradar Shivabai Ashok	BKA	85A	gs#)	As.A	ASA	BAA	BSA.	D5A
10	Biradar Supriya Chidanand	8	But	Su	Au	Sul	But	W	Bu
11	Biradar Vidya Vithal	BYY	ANN	g.v.v	3.V.V	8. v. v	BIVV	BNV	8.V3
12	Chikodi Basavant Murlidhar	W.	e dela	Retile	adole	BANK.	Ruhle	ATTE	Behil
13	Chougule Anand Appasab	Jag.	AAC	ARE	AAC	APL	Ad	ADL	AA
14	Damani Ravi Basaningappa	8	108	DA	OÁ	TR	0	08	203
15	Devresh Kiran Maddu	Enel	D Word	Janet !	kmo	Manuel	TOOM	Monto	4 m
16	Dhepane Santosh Shankar	39	94	SP	950	55	950	450	55
17	Dudhal Akash Piraji	480	· CARD	dish	dille	-dish	mash	1019	OUT
18	Erande Krushna Mahadev	10	3.50	"M	100	EN	127	E ACT	YY.
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20	Ghali Vinayak Mahadevappa	UDI	my	ung	und	Lend	w	und	1000
21	Honamore Satish Yadappa	444	**	SHA	SHIP	549	544	sys	574
22	Jadhav Kedari Mahadev	1		And of	person	ins	way	wand	kny
23	Jadhav Nitin San	W	NW	EVA)	EnA.	XAX-	IN	W	1677

	Jagannath	10							
25	Jagtap Rohit Kondiram	西	AKE T	R-KI	RKI	Roke	PK	Roke	Roke
26	Kadam Laxmi Basagonda	100	LBK	124	LoBak	LE	LBK	L. P.	L-B-1
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Department of Zoology Vermi-technology Academic Year 2021-22

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2	Pujari Gurabasu Annappa	GAP.	GAP.	GAP.	GAP".	GAP.	GAP.	GAP.	SOP
3	Athani Ravindra Sanjay	AB	ARE	AB	es-	ARS	AB-	ABS.	188
4	Barakade Rani Maruti	Been	BRO	and	(BB)	(BR)	BRI	(BAD)	(BR)
5	Bhandare Sohel Raju	8.5 F	6-5-R	8-5-6	P.S.P.	B-5-6	8.5.P	8-5-R	0.54
6	Biradar Pavitra Basagonda	RRR	BPB	BRB	-	1	B.P.1	No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other party of the Concession, Name of Street, or other pa	
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40	Magadum Siddharudh Mallappa	M.S.	msm	ms.	ms.m	ms.m	ms.	n.s.n	m.s.r
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Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Department of Zoology Vermi-technology

Academic Year 2021-22

REPORT

Department of Zoology started Certificate course in Vermi-technology from Academic year 2020-21. The main objective of this course is to build entrepreneurship skills among the students and to encourage the students for organic farming with the help of vermin-technology. This course is of 3 month. Course was inaugurated on 1st December, 2021 with auspicious presence of Science faculty in charge Mr. G.S. Mali Online Examination (MCQ) and oral examination were conducted. Each student who successfully completed this course were awarded course certificate. Outcome of this course resulted in awareness about organic farming among the students.

Course Coordinator

Head
Department of Zoology
Shri R, KHOD Arts There a Science College, Sankh
Tal, Jath, Dist, Sangli



SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH.

TAL - JATH DIST- SANGLI. (Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF ZOOLOGY



This is to Certify that *Mr. /Ms.* Kulkarni Gauri Sunil has successfully completed the "Certificate Course Vermi-technology Department of Zoology in Ist Class in the academic year 2021- 22.

Co-ordinator

Shri R. K. Patr. Dalawai, S. Ecience College, Sankti / C. Patr. School 416 412





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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DEPARTMENT OF COMMERCE

Academic Year 2021-22

Career Oriented Course

Certificate Course in Banking

Operations





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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SKILL ENHANCED &CAREEAR ORIENTED CERTIFICATE COURSE IN BANKING OPERATION

Course Outcome:

- Identify the operations of banks.
- Acquire sufficient knowledge about banking technicalities.
 Identify various terminologies used in banking

enter the job market with confidence and the ability to work effectively

Course Highlights:

- 1) Well equipped lab facility.
- 2) Trained staff.
- 3) Practical exposure.
- 4) Job Oriented Course
- 5) lad us ended training





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Letter for Permission

Asst. Prof.Narute C J
Head, Department of Commerce,
R.K.Patil Arts,Commerce and Science
College Sankh,

To, Principal, R.K.Patil Arts,Commerce And Science College Sankh, Dist-Sangli.

Subject: Permission for carrier oriented courses in commerce.

Dear Sir.

Department of commerce has planned to conduct and complete carrier oriented certificate courses in banking operation and marketing & supply chain management with the help of faculty of commerce department. The present two certificate courses are proposed to conduct in the month of January to March during academic year 2021-22, I request to grant permission for the said COC.

Thanking you,

Yours Faithfully,

Entre 2058
Tel-Justi
Oles Samps

Department of Commerce
Shri R. K. Patil Arts, commerce
& Science College ankh
Tal. Jath, Dist. Swigli

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Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Date: 07th Oct, 2021

MEETING NOTICE

All the members of the board of studies in commerce are hereby informed that the members meeting is organized on 10 October, 2021 at 11.30 am in department of commerce. All the members are requested to attend the meeting to discuss the following agenda.

AGENDA OF THE MEETING

- 1. Discussion on start carrier oriented certificate course in banking operation and marketing, supply chain management,
- 2. Discussion on distribution of workload and syllabus of COC courses.
- Discussion on drafting syllabus of COC-Banking and COC-Marketing.
- Discussion on evaluation pattern of COC-Banking and COC-Marketing.



Course content

Unit No.	Name & Contents of Units	
Unit I	Introduction to Banking Introduction to Banking sector Various types of banks Basics of banking operations	
Unit II	Financial Accounting In Bank Banking accounts Sources of income for a bank Analysis of financial statements of banks	
Unit III	Recent Trends in Banking Internet and mobile banking Payment and settlement systems in banksBanking products NEFT, RTGS, ATM, Debit Cards, Credit Cards.	
Unit IV	Practical Banking (Through Bank Visit) 1. Opening of an Account 2. Operation of Bank System 3. Closing of an Account	

Career opportunities and employability:

Students will be able to have ample knowledge regarding banking fundamentals which will help them to make career in banking sector. The course will help students to develop professional skills to work in a bank.



References:

- Iyengar K. V. (2007), Introduction to Banking, Excl Books, New Delhi.
- Mithani D. M. (2018), Money, Banking, International Trade and Public Finance, 20° revised edition, Himalaya Publishing House, Mumbai.
- Natarajan S. and Parameswaran R. (2017) Indian Banking, S. Chand & company Ltd., NewDelhi.
- Datta Sundaram (2020), Indian Economy, S. Chand & company Ltd., NewDelhi.
- Upal R.K. (2009), Modern Banking in India, New Century Publisher, New Delhi.
 - Sheklhar K. C. (2015), Banking Theory & Practice, Vikas Publishing House, Pvt, Ltd, Noiada.
 - Agarwal O.P. (2011) Banking& Insurance, Himalaya Publishing House, Mumbai.
 - 8. Reserve Bank of India Annual Report- 2021, Mumbai.
 - 9. Economic Survey of India- 2021-22, Govt. Of India, New Delhi.





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Date- 07-10-2021

Notice

All students of commence facility are hereby informed that department of commerce starting carrier oriented "Certificate course in Banking Operation". The duration of this course is 11 October 2021 to 23 Nov 2021. The registration is start now, for further information contact to the course co-coordinator and HOD department of commerce.



Head Department of Commerce Shri R. K. Past Arts, Commerce & Science College, Senkh Tal. Jath, Dist, bengli

Student Attendance List

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|| Unairyam Sarvatra Sagnanam ||



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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CERTIFICATE COURSE IN BANKING OPERATIONS 2021-22 FINAL ENROLLMENT LIST FOR COURSE

Sr. NO	STUDENTS NAME	
1	SHAIKH IBRAHIM CHAND	
2	MALI AISHWARYA PRAKASH	
3	KASHID ANIKET SURESH	
4	MALI KOMAL SIDDESHWAR	
5	MUJAWAR SAMIYA FIROJ	
6	KANAMADI ASHWINI SANGAPPA	
7	INGOLE SHRIDEVI JYOTIBA	
8	SHINDE ARPITA ANANDRAO	
9	BIRAJADAR SHARAD UTTAM	
10	TAMBE NANDA DNYANESHWAR	
11	TAMBE POOJA GUNDIBA	
12	TERADAL PALLAVI BHAIRAPPA	
13	NIKAM NAGESH VISHNUPANT	
14	NIKAM SHRINATH KRUSHNDEV	
15	GAVANDI DAWAL JAKIR	
16	MULLA SANIYA KASIM	
17	VAGHOLI RAKESH PARMESHWAR	
18	GODEKAR GANESH SANTOSH	
19	BABER GANESH BALASO	
20	NALAWADE RUPALI LAXMAN	





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli, 416 412, College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Date- 10-11-2022

Notice

All students of commerce faculty are hereby informed that the students registered for carrier oriented "Certificate course in Banking Operation". The final written examination and oral examination conducted on same day and date. Registered students attendance is compulsory. The schedule of examination is as below.

(13 November 2022)

Head
Department of Commerce
Shri R. IC Path Arts, Commerce
& Science Cottage, Sankh
Tal. Jath, Dist. Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Certificate Course in BANKING OPERATIONS 2021-22 MARK-SHEET

Sr. No	Name of the student	Written exam	Oral exams	Total
1	SHAIKH IBRAHIM CHAND	30	7	50
2	MALI AISHWARYA PRAKASH	32	8	50
3	KASHID ANIKET SURESH	25	6	50
4	MALI KOMAL SIDDESHWAR	26	7	50
5	MUJAWAR SAMIYA FIROJ	28	8	50
6	KANAMADI ASHWINI SANGAPPA	31	6	50
7	INGOLE SHRIDEVI JYOTIBA	32	7	50
8	SHINDE ARPITA ANANDRAO	36	6	50
9	BIRAJADAR SHARAD UTTAM	35	6	50
10	TAMBE NANDA DNYANESHWAR	34	8	50
11	TAMBE POOJA GUNDIBA	33	7	50
12	TERADAL PALLAVI BHAIRAPPA	32	6	50
13	NIKAM NAGESH VISHNUPANT	31	6	50
14	NIKAM SHRINATH KRUSHNDEV	30	8	50
15	GAVANDI DAWAL JAKIR	36	7	50
16	MULLA SANIYA KASIM	37	6	50
17	VAGHOLI RAKESH PARMESHWAR	32	7	50
18	GODEKAR GANESH SANTOSH	37	9	50
19	BABER GANESH BALASO	32	8	50
20	NALAWADE RUPALI LAXMAN	35	7	50





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Date	Time/Hours	Name of the Teacher	Title of the Topics
11,12,13,14 &15 October 2021	11-00AM to 11- 45AM	Narute e j	Topic: 1. Introduction to Banking Introduction Sector to Banking Various types of banks Basics operations of Banking Operations
16, 18, 19,&20 October 2021	11-00AM to 11- 45AM	INGALE M R	Topic- 2 Financial Accounting in banks Banking Accounts Sources of income for a bank Analysis of financial statement Banks.
21, 22, 23&26 October 2021	11-00AM to 11- 45AM	INGALE M R	Topic-3 Recent trends in Banking interest and mobile bank payment and settlement systems in bank.
27, 28, 29&30 October 2021	11-00AM to 11- 45AM	NARUTE C J	Topic-3 Recent trends in banking NEFT, RTGS, ATM, Debit, Cards, and Credit cards.
01,02,03 & 04 Nov 2021	11-00AM to 11- 45AM	INGALE M R	Practical banking Thought Bank Visit 1. Opening of an Account 2.operation of Bank system. 3. Choosing of an Account.
05,06,08 & 09 Nov 2021	11-00AM to 11- 45AM	NARUTE C J	Practical's on; Interest and mobile banking
10, 11, 12 & 13 Nov 2021	11-00AM to 11- 45AM	NARUTE C J	Practical on RTGS, NEFT
15, 16, 17& 18 Nov 2021	11-00AM to 11- 45AM	INGALE M R	Practical's on; Interest and mobile baking.
19, 20, 22 & 23 Nov 2021	11-00AM to 11- 45AM	NARUTE C J	Online Banking, Debit Cards, and Credit Cards.



Head

Department of Commerce

Shri R. K. Patil Arts, Commerce
& Science Commerce

Question Paper

MARKS 40

assets or for Consu	ion saving efficiently in an economy to ultimate users for investment in real imption.
A) Economic syste	em B) Financial system
C) Market system	D) Banking system
2) When of the fol	lowing is not a regulatory institution in Indian financial system.
2) when of the for	lowing is not a regulatory institution in indian financial system.
A) RBI B) S	EBI
C) CIBIL D)	
3) is regarde	ed as a queen of Indian financial System.
A) SEBI B)	Financial Ministry
	RBI
4) National housin	g bank is a fully owned subsidiary of
A) RBI C) HUDCO	B) HDFC
C) HUDCO	D) HSBC
Financial institu	tions are also known as
A) Financial organ	ization B) Financial system
	nediaries D) All of the above
	first development financial institution in India.
A) RBI	B) IFCI
	D0 ICICI
7) IDBI was establ	
A) 1954	B) 1964
C) 1992	D) 1948
8) is a	B) 1964 D) 1948 in apex institution to coordinate, supplement and integrate the activities of all
existing specialized	d financial institutions.
A) IFCI E	3) RBI
C) IDBI I	D) SEBI
	following is not an asset held by commercial Banks.
A) Bills of exchang	ge B) Money lent at short notice
C) Current accoun	t Deposits D) Credit balance with the reserve bank
10) Which of the fo	ollowing combination is correct.
A) NABARD indu	strial Loan B) RBI long term Finance
C) IDBI Short term	Loans D) RRB Agricultural Loan
11) Which of the fo	ollowing is not an organized sector in India.
A) Nationalized Ba	anks B) Cooperative Banks
	Banks D) Chits & Money Lenders
	Exongres d

C) 1949	D) 1955
13) When did the	National Bank of Agriculture & Rural Development established.
A) July 1982	B) July 1969
C) July 1951	D) June 1996
14) Which of the rural developmen	following is the apex institution which handles refinance for agriculture and t in India.
A) RBI	B) NABARD
C) SIDBI	D) RBI
15) At which of t	he following cities is the head of Reserve Bank of India located.
A) Mumbai	B) Kolkata
C) New Delhi	D) Deharadun
16) Scheduled Ba	ank in India means a Bank
A) Incorporated (under the Companies act, 1956.
B) Authorized to	the Banking business.
C) Governed by	he Banking Regulation Act, 1949.
D) Included in th	e Second schedule to the Reserve Bank of India Act 1934.
17) Which is the	largest commercial bank of India.
A) Bank of India	B) State bank of India
C) Axis bank	D) HDFC
18) Cooperative	societies Act was enacted in which year.
A) 1912	B) 1935
C) 1949	D) 1913
19) In which yea	r was the bank of Maharashtra established.
A) 1027	B) 1935
A) 1937 C) 1934	D) 1949
	evelopments banks are there in India.
A) 5 B) 6	C) 7 D) 8
	The state of the s
	Commission .
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	The same of the sa
	100

12) In which year was the Banking Regulation Act Passed.A) 1959B) 1969



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CERTIFICATE

This is to Certify that Mr. /Ms. Bingiadan. S. Uttam.has successfully completed the Certificate course in Banking Operation at graduate Department of Commerce in the academic year 2021-22.

Co-coordinator

Head
Departs ant of Commerce
Shri R. F. Pattl Arts, Commerce
& Sciance College, Sanith
Tal, Jath, Diat, Sangii

Dr. Dalawai.S.P

I/C Principal I/c. Principal, Shri R. K. Petli Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Autonomous (Self-Financed) Short Term Course

in

"Mushroom Cultivation"

Organized by

Department of Botany

Smt: S.S.Rathod

Head and Course Co-ordinator

Department of Botany

2021-2022



Head
Department of Beauty
R. Patil Arts Seres
Salunco College January
Tal. Joth, Disc. Sangil

II Dhairyam Sarvatra Sadhanam II

Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In

MUSHROOM CULTIVATION



Department of Botany, Shri RK Patil ACS College Sankh,

Tal-Sankh, Dist-Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Ref.No.

Date :09/90/2022

To, The Principal, Shri. R.K.P. Art, Commerce and Science College, Sankh. Tal-Jath, Dist-Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Certificate

Course of Mushroom Cultivation

Respected sir,

With the reference to above subject, our Botany department is going to conduct certificate course in Certificate Course of Mushroom Cultivation for B. Sc. Students in this year academic year (2021-22). So, I request you to give us permission to conduct above said course.

Thanking you,

Department of Botany,

Shri RK Patil AGBOollege Sankh,



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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e : rkpcollegesankh@gmail.com +++ Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Botany Short Term Course: "Mushroom Cultivation"

(2021-2022)

THEORY SYLLABUS

UNIT-1:

(6 Lectures)

Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible); Nutritional values of mushrooms, Scope for large scale cultivation, Different cuisines by using mushroom

UNIT-2:

(6 Lectures)

Methodology for mushroom cultivation: Preparation of Spawn (grain spawn and straw spawn); Preparation of mushroom bed; Spawning of mushroom bed; Watering of mushroom bed; Harvesting of mushroom

UNIT-3:

(6 Lectures)

Harvest and Post-Harvest Handling:

Precautions for mushroom Harvesting, Grading, Post-harvest techniques and storage

UNIT-4:

(2 Lectures)

Need for the mass cultivation; Market status of mushroom; Different marketing strategies





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Botany Short Term Course: "Mushroom Cultivation" (2021-2022)

LIST OF PRACTICALS

Practical 1. Study of Classification of Mushroom

Practical 2. Study of preparation of Spawn (grain spawn and straw spawn)

Practical 3. Study of technique of mushroom culture on bed

Practical 4. Study of harvesting methods of mushroom

Practical 5. Study of different food preparations from edible mushroom

Practical 6. Study of Grading; drying; storage methods



To

R.V. LAVATE

HOD of Botany Department,

R.R college Jath

A/P- Jath, Tal- Jath

Dist-Sangli

Subject: Invitation as a resource person for certificate course in "Mushroom Cultivation"

Respected Sir,

I am pleased to invite you to conduct certificate course in "Mushroom Cultivation" for academic 2021-22 under Department of Botony from Date 12/01/21to 15/03/2022.

We look forward your presence and guidance

Thanking you

Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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nall : College : rkpcollegesankh@gmail.com eee Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Botany Short Term Course: "Mushroom Cultivation" (2021-2022)

SYLLABUS DISTRIBUTION FOR THEORY AND PRACTICALS

Lectures: 30 (Theory: 20 and Practical: 10)

ir. No	Theory	Faculty
1.	Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible), Nutritional values of mushrooms, Need for the mass cultivation, Market status of mushroom, Scope for large scale cultivation	S.B. Patil
2.	 Different Practices for mushroom cultivation Preparation of Spawn. Preparation of mushroom bed, spawning of mushroom bed, Watering of mushroom bed, Harvesting of mushroom. 	
3.	Necessary precautions for mushroom cultivation	B.G.Koli
4.	Post-harvest storage, Different marketing strategies	A.B.bandagar
	Practicals	Name of Faculty
1.	Preparation of Spawn/mushroom bed	S.B. Patil
2.	Culturing of mushroom and watering of bed	S.S Rathod
3.	Harvesting of mushroom	B.G.Koli
4.	Necessary precautions during harvesting and their storage	A.B.bandagar



Head and Course Co-ordinator

Department of Totany Head

Department of Botany
Shri R. K. Patil Arts, Commerce
& Science Cellege, Sankh
Tal. Jath, Bist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Botany Short Term Course: "Mushroom Cultivation" (2021-2022) BOS PANEL

INTERNAL EXPERT

Sr. No.	Name of Faculty	Designation	
1.	S.S Rathod	Head and Course co-ordinator Department of botany	
2.	S.B. Patil	Assistant Professor Department of botany	
3.	B.G.Koli	Assistant Professor Department of botany	
4.	A.B.bandagar	Assistant Professor Department of botany	

External Expert

Sr. No.	Name of Faculty	Designation	
01	.R.V.LAVATE	HOD of Botany Department	
	120000000000000000000000000000000000000	R.R college Jath	



Department of Botany Shri P. K. Parl Arts, Londonce Mann, Sankh



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Department of Botany

Short Term Course: "Mushroom Cultivation"

(2021-2022)

Time -Table

Time	Day		
2.30-3.30pm	Lecture	Monday (Batch –A)	Thursday (Batch-B)
2.30-3.30pm	Practical	Tuesday (Batch –A)	Friday (Batch-B)



Department of Botany Shri R. K. Patil Arts. Communice & Science College, Sankh Ial. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Botany

Short Term Course: "Mushroom Cultivation"

(2021-2022)

Date: 29/12/2021

NOTICE

All the students of B.Sc I are hereby informed that the Department of Botany is conducting a self financed one month Short Course on "Mushroom Cultivation".

Intrested students register their names to S.B. Patil before 12 /01/2022.

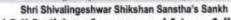
Goordinator

Department of Botalny
Shri R. K. Patil Arts, Commerce
Science College, Sankh
Tel. Jath, Dist. Sangli



Director/Principal

Vc. Principal, Shri R. K. Patil Arts, Commerce Science College Sankh, Tal. Jath, Dist, Sangli 416 412



Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Short Term Course: "Mushroom Cultivation"

(2021-2022)

Resistration List

Sr No	Name of students	
1.	PANDHARE MHALAPPA SAYAPPA	
2.	PATIL GANESH RAM	
3.	MALI AKSHATA SIDDESHWAR	
4.	HYALAKAR ALLAUDDIN ADAMMAHAMAD	
5.	MOTE SHASHIKANT KRUSHNA	
6.	KAMBLE BHIMRAO PRAKASH	
7.	KOKARE SURESH BHANUDAS	
8.	SAVANT RANAJIT SHASHIKANT	
9.	KARE DULUBA ANNAPPA	
10.	PUJARI ARACHANA SHANKAR	
11.	MADABHAVI AISHWARYA SHRISHAIL	
12.	KARE DHANAJI TUKARAM	
13.	KHOT JYOTI DHANAJI	
14.	CHOUGULE PRAVIN GOVIND	
15.	BAJANTRI SHIVANAND NARAYAN	
16.	GAIKWAD KOMAL SAMBHAJI	
17.	NARALE PRADNYA JAYAWANT	
18.	KOLI RAMDAS SIDRAYA	
19.	CHAMKERI TEJASWI ISHWAR	
20.	GHAGARE SACHIN PANDURANG	



Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Botany Short Term Course: "Mushroom Cultivation" (2021-2022)

Attendence for theory

	Dates									
Sr No	Name of students	14 th Eeb	18 th Feb	21 th Feb	24 th Feb	7 th Mar	11 th Mar	14 th Mar	21 th Mar	
1.	PANDHARE MHALAPPA SAYAPPA	me	(mB)	(MB)	mp)	me	mg)	(MB)	(B	
2.	PATIL GANESH RAM	GI-R.P	61.8.0	G.R.P	61.8.P	GIRP	GIR.P	GIRP	G7. 8.	
3.	MALI AKSHATA SIDDESHWAR	ASPO	asa	nsm	0300	asp	DSM	MSP-	AFF	
4.	HYALAKAR ALLAUDDIN ADAMMAHAMAD	Any	AW	AM	AH	ARH	APP	脚	All	
5.	MOTE SHASHIKANT KRUSHNA	mas	reade	melt	hade	most	e treat	ment	met	
6.	KAMBLE BHIMRAO PRAKASH	Pur	four	Pun	pur	o they	18m	the	Kn	
7.	KOKARE SURESH BHANUDAS	K 58	KSB	KSM	KSV	KW	KED	KSB	KSI	
8.	SAVANT RANAJIT SHASHIKANT	Rus	CPM	am	Am	m	pin	The	K	
9.	KARE DULUBA ANNAPPA	wo	- W	de	Alb	- Um	Ben	Den	bh	
10	PUJARI ARACHANA SHANKAR	113	NRS	ARS	AKS	AN	ARS	AR	PPS	
11	MADABHAVI AISHWARYA SHRISHAIL	Acet	梅山	April	Acet	Aley	Alee	Aleet	Aa	
12	KARE DHANAJI TUKARAM	que-	du	The	DRY	-500	OPPO	DOR	3/4	
13	KHOT JYOTI DHANAJI	3.D.K	J.2K	J. 2K	5.0K	J.3K	J.DK	3.DK	25	
14	CHOUGULE PRAVIN GOVIND	De.	pope	Gas	000	200	100	Pap	ROC	
15	BAJANTRI SHIVANAND NARAYAN	Mr.	验	船心	A STATE	给心,	-Mir.	Story.	Sant.	
16	GAIKWAD KOMAL SAMBHAJI	Actual	KAME	Irona!	ECHN	Konki	LOSO	KDUA	VECTON X	
17	NARALE PRADNYA JAYAWANT	TET.	NE	NET.	467	457	MET	MPJ.	PLEZ	
18	KOLI RAMDAS SIDRAYA	3620	See	SRR	BRID	SKK	SER	ERK	SPM	
19	CHAMKERI TEJASWI ISHWAR	TER.	TOP	Tell	LOCA	FEIG.	LEAN.	Test	TCOM	
20	GHAGARE SACHIN PANDURANG	Sp.4	SPG	SP4	SPG	SPG	579	SIL	5.P	



Department of Botany
Shri P. H. Arts. Commerce
Softene Canth



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Department of Botany
Short Term Course: "Mushroom Cultivation"
(2021-2022)

Attendence for Practicle

		Dates							
Sr No	Name of students	15 th Feb	19 th Feb	22 th Feb	25 th Feb	8 th Mar	10 th Mar	16 th Mar	23 th Mar
1.	PANDHARE MHALAPPA SAYAPPA	08P	MSP	0256	page	osp	msP	10280	228/
2.	PATIL GANESH RAM	GRP	GRP	GRP	GRP	GAP	GRP	GRP	GRP
3.	MALI AKSHATA SIDDESHWAR	A.500	A.Sp	A.SM	ASM	ASM	ASM	A.SM	1 Ac
4.	HYALAKAR ALLAUDDIN ADAMMAHAMAD	B	Bu	Dane.	Bee	Donne	Down	Done	Pro
5.	MOTE SHASHIKANT KRUSHNA	Male	(MHe	Mbte	(Motte	Mote	Obte	(M)PF	Mode
6.	KAMBLE BHIMRAO PRAKASH	kamble	kanhle	kanle	kaml	kamble	kamble	kamble	kanh
7.	KOKARE SURESH BHANUDAS	SAB	SAL	SON	430	SOL	SAL	ALL	26
8.	SAVANT RANAJIT SHASHIKANT	R55	RSS	RSS	R85	RSS	R85	R55	RSS
9.	KARE DULUBA ANNAPPA	QH4	Patro	- 000	Des	DAG	BHL	PH	A
10	PUJARI ARACHANA SHANKAR	ASO	POD	ASP	Asp	ASP	ASP	(See)	Asp
11	MADABHAVI AISHWARYA SHRISHAIL	197	1511	J.SM	1511	JEM	Asm	A.S.M	A5.Y
12	KARE DHANAJI TUKARAM	DIK	DIK	DIK	DIK	DTK	DIK	DIK	D.T.
13	KHOT JYOTI DHANAJI	10-	TP_	JP_	40	10	AD_	AD_	40
14	CHOUGULE PRAVIN GOVIND	page	Pead	Dage	Per	Pac	PGO	PCIO	PG
15	BAJANTRI SHIVANAND NARAYAN	SN.B.	S.N.B	J.N.B	SNB	SN-B	5.N.B	S.N.B	SNJ
16	GAIKWAD KOMAL SAMBHAJI	PJN.	PIN	P.I.N.	PJ:N.	P.T.N.	BJ: N	PITAL	PJ.N
17	NARALE PRADNYA JAYAWANT	PJA	进	20	PI	PL	121	Des	Per
18	KOLI RAMDAS SIDRAYA	RS	Pele	PSI	PSI	Rose	P.SN	125kg	P.5.4
19	CHAMKERI TEJASWI ISHWAR	TIC	TIC	TIC	IX	TIC	116	TIC	TIC
20	GHAGARE SACHIN PANDURANG	5-P.G	5.P.G	5.P.G	5.00	5.0.6	5.PG	5-8-6	5.00







Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616 Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

e: rkpcollegesankh@gmail.com eee Email: Vidyapeetha: rkp616.Ci@unishivaji.ac.in

Department of Botany Add-On Course: "Mushroom Cultivation" (2021-2022)

Question paper

Total Marks: 50

Time: 11.00 am-1:00 pm

Date: April 29th, 2022

Instructions: 1. All questions are compulsory

- 2. Draw neat and labelled diagrams wherever necessary.
- 3. Figures to the right indicate full marks.

Q. I Write short notes on any six:

(30 Marks)

- i. Describe the nutritional values and health benefits of mushroom?
- ii. Why there is need for mass cultivation of mushrooms?
- iii. Write in brief about different marketing strategies for mushroom?
- vi. How to differentiate edible and non-edible mushrooms?
- v. Write a brief note of the preparation of spawn and mushroom bed?
- vi. Need of post-harvest storage for mushrooms.

Q. 2 Long answer questions (Any two).

(20 Marks)

- 1. What are the different practices for mushroom cultivation?
- ii. What are the necessary precautions for mushroom cultivation during post-harvest storage?
- iii. What are different nutritional deficiencies in humans and how the consumption of mushroom will helpful; to overcome those deficiencies?



SHRI SHIVALINGESHWAR SHIKSHAN SANSTHA'S SANKH

SHRI R.K. PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL - JATH DIST- SANGIL (Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF BOTANY





CERTIFICATE

This is to certify that Mr. Ms. Khal Tyofi Dhongji successfully completed the

"Mushroom Cultivation" at | graduate Department of Botany the academic year 2021 - 2022

Prof.Rathod S.S

Course Co-coordinator

Department of continuero

Department of continuero

Shil R. M. Patil Arts. Continuero

Shil R. M. Patil Arts. Sandii

S. Science College, Sandii

Tal. Juth. Dist. Sandii

•

Dr.Dalawai S.P

I/C Principal
I/c Principal,
Shri R. K. Patrick Control Science College,
St. College, St. Sarguetts 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

INDEX

Sr. No.	Year	Particulars	Page No.
Shor	t-Term Co	ourse in Basics of IBPS Examination	
		Permission letter	1
		Report	2
		Structure and Syllabus of the Course	3
		Time Table	4
1	2021-22	Roll Call	5
		Attendance	6
		Examination Notification/Question-Paper	7
		Mark-List	8



Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Ref.No.

Date: 22/02/2022

To.

The Principal, Shri. R.K.P. Art, Commerce and Science College, Sankh. Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Certificate

Course of IBPS

Respected sir,

With the reference to above subject, our Commerce department is going to conduct certificate course in Certificate Course of IBPS for B. Com. Students in this year academic year (2021-22). So. I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Department of Commerce Shri RK Patil ACS College Sankh, Tal- Sankh, Dist-Sangli

Department of Commerce Shri R. K. Paill Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli







Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

Report

Department of Commerce conducted short term course in Basics of IBPS Examination 2021-22. In this course 53 students were admitted for this year. The Course was conducted with the aims to provide basic knowledge of IBPS examination. The students will get knowledge and prepared for competitive examination. This course was conducted successfully as per the timetable. The examination was conducted for students. The certificates were distributed to the successful students.





Shri R. K. Patil Arts, Commerce and Science College, Sankh



Department of Commerce

Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

1. Eligibility

: XII std. Pass.

2. Duration of Course

: 1 Months (1st March 2022 to 31st March 2022)

3. No. of Students

53

4. Examination

: Theory (50 marks),

5. Faculty

: Miss. Narute C. G.

6. Coordinator

: Mr. Bhairgonda M. P

Dept. of Commerce,

Shri R. K. Patil Arts, Commerce and Science College, Sankh.





Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Department of Commerce



Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

Syllabus

Chapter	Name of Chapter	Periods
1.	Reasoning Ability Seating Arrangements, Puzzles Inequalities, Syllogism, Input-Output Data Sufficiency, Blood Relations Order and Ranking, Alphanumeric Series Distance and Direction, Verbal Reasoning	08
2.	English Language Cloze Test, Reading Comprehension Spotting Errors, Sentence Improvement Sentence Correction, Para Jumbles Fill in the Blanks, Para/Sentence Completion	07
3.	Quantitative Aptitude Number Series, Data Interpretation Simplification/ Approximation Quadratic Equation, Data Sufficiency Average, Profit and Loss Ratio and Proportion Work, Time, and Energy Time and Distance, Probability, Relations Simple and Compound Interest Permutation and Combination	10
4.	General/ Economy/ Banking Awareness	05





Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Department of Commerce



Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

Duration: - From 1st March 2022 to 31st March 2022 TIME TABLE:

Sr.No.	Time	Monday	Tuesday	Wednesda v	Thursda v	Friday	Saturda v
1	1.00Pm To 2.00Pm	Theory BMP	Theory CGN	Theory CGN	Theory BMP	Theory BMP	Theory

1. CGN-Miss. Narute Chhaya Govind

2. BMP - Mr.Bhairgonda Mallikarjun P.



Head
Department of Commerce
Shri R. K. Patil Arts, Commerce
& Science College, Eankh
Tal. Jath, Olat, Sangli



Shri R. K. Patil Arts, Commerce and Science College, Sankh.



Department of Commerce

Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

Date: 25th February, 2022

Notice

All the students of B.Com I, II and III are hereby informed that Department of Commerce is going to organize short term course in "Basics of IPBS Examination" from 1st March, 2022at 1.00 Pm. Students should remain present at given time in Lecture Hall.







Shri R. K. Patil Arts, Commerce and Science College, Sankh.



Department of Commerce

Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

Date: 2nd April, 2022

Notice

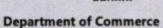
All the students of Short term Course in Basics of IBPS Examination are hereby informed that Examination of the Course will be conducted on 10th April, 2022 at 1.30 p.m.to 2.30 p.m.

Estd 2018 10 Clast Sangil

Head
Department of Commerce
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal, Jath, Dist, Sangli



Shri R. K. Patil Arts, Commerce and Science College, Sankh.





Short-Term Course

Short-Term Course in Basics of IBPS Examination – 2021-22 Result Sheet

Sr.No.	Student Name	Marks obtained
1	SALUNKHE SANTOSH SOMANING	40
2	BHOSALE SURAJ DILIP	24
3	KODAG SUSHANT ACHYUTRAO	22
4	ATHANIKAR SANDIP MAHADEV	20
5	BORADE PRAJWAL SHIVAJI	40
6	WAGOLI BHIMASHANKAR BABU	44
7	PAWAR VISHAL VIJAYAKUMAR	40
8	KOLI PRADIP RAMACHANDRA	42
9	PAWAR NILESH SAMPAT	42
10	LAMANI RAHUL RAJU	44
11	BIRADAR CHINMAY BHIMARAY	48
12	GAIKWAD AUDUMBAR DHANAJI	36
13	VAGARE DILIP ANKUSH	34
14	VAGARE YUVRAJ MAHADEV	34
15	BIRAJADAR PRAVIN RAMESH	32
16	BIRAJADAR VINOD MAHADEV	32
17	JADHAV DIVYA GORAKH	26
18	LOKHANDE NIRMALA DONGRIBA	24
19	HIPPARKAR SONALI CHANDRAKANT	26
20	MALI KEDARILING SHRISHAIL	24
21	BHANDARE SAHIL RAJALI	22
22	MALI AKSHATA ASHOK	22
23	BIRADAR LAKKANNA HANAMANT	34
24	SAVANT PRATHMESH ASHOK	36
25	SANADI TOUFIQ SHABBIRGANI	38
26	PANDHARE LAXMAN SHIVAJI	38
27	SHINDE KAJAL PATALU	38
28	BIRADAR SIDDHARAM ASHOK	34

	Tarana a a successiva a constitución de la constitu	I w
29	BIRADAR RAKESH RAJENDRA	34
30	NADAF ASHIF HUSEN	36
31	BHUSANUR SUDHEER DATTA	46
32	YADAV GHANSHYAM NARENDRA	44
33	KULKARNI RUSHIKESH PRASAD	42
34	JAMDADE RAJ KIRAN	42
35	TELI SHAMBHAVI SHAVANT	46
36	JAYAGOND AVANTIKA ANIL	40
37	BABALAD PARASHURAM SIDDHANNA	26
38	BABALAD BASAVARAJ THAKKAPPA	28
39	AWAJI BEERAPPA MAYAPPA	28
40	SALE BHASKAR BALU	28
41	MANAVAR AJEET RAMADAS	24
42	BUDANUR KASHINATH BALU	24
43	TELSANG ASHISH BHIMRAO	24
44	TAMBOLI KAUSEEN AFJAL	32
45	MANDALE SANTOSH BAPU	32
46	SHAIKH SOHEL SAHEBALAL	34
47	JAMADADE YASHAVANT KRISHNA	24
48	KAYAPURE PRAJWAL SIDRAYA	18
49	BHOSALE RESHMA SATYAPPA	26
50	BHOSALE RAVI MAHADEV	24
	MATHAPATI MALLIKARJUN	
51	GIRAMALLAYYA	44
52	PATIL PRAGATI YUVRAJ	46
53	SALE BHAKTI GAJANAN	48
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Shri R. K. Patil Arts, Commerce and Science College, Sankh.



Department of Commerce

Short-Term Course

Short-Term Course in Basics of IBPS Examination - 2021-22

Students list

Sr.No.	Student Name	Signatures of students	Course Part Name
1	SALUNKHE SANTOSH SOMANING	322	B.COM
2	BHOSALE SURAJ DILIP	Sleet	B.COM
3	KODAG SUSHANT ACHYUTRAO	Deel_	B.COM
4	ATHANIKAR SANDIP MAHADEV	B30-	B.COM
5	BORADE PRAJWAL SHIVAJI	lees L	B.COM
6	WAGOLI BHIMASHANKAR BABU	(Broayledi	B.COM
7	PAWAR VISHAL VIJAYAKUMAR	Deuk -	B.COM
8	KOLI PRADIP RAMACHANDRA	K. D. Real	B.COM
9	PAWAR NILESH SAMPAT	Pawerns.	B.COM
10	LAMANI RAHUL RAJU	LAR	B.COM
11	BIRADAR CHINMAY BHIMARAY	pare	B.COM
12	GAIKWAD AUDUMBAR DHANAJI	Glen	B.COM
13	VAGARE DILIP ANKUSH	Galu	B.COM
14	VAGARE YUVRAJ MAHADEV	VDA	B.COM
15	BIRAJADAR PRAVIN RAMESH	Ren _	B.COM
16	BIRAJADAR VINOD MAHADEV	800	B.COM
17	JADHAV DIVYA GORAKH	Tadhawa	B.COM
18	LOKHANDE NIRMALA DONGRIBA	De .	B.COM
19	HIPPARKAR SONALI	tow.	
19	CHANDRAKANT	1	B.COM
20	MALI KEDARILING SHRISHAIL	PHU .	B.COM
21	BHANDARE SAHIL RAJALI	Pella	B.COM
22	MALI AKSHATA ASHOK	menial	B.COM
23	BIRADAR LAKKANNA HANAMANT	B.LH.	B.COM
24	SAVANT PRATHMESH ASHOK	there	B.COM
25	SANADI TOUFIQ SHABBIRGARI	Slow	B.COM

26	PANDHARE LAXMAN SHIVAJI	Bundank	B.COM
27	SHINDE KAJAL PATALU	S.K.P	B.COM
28	BIRADAR SIDDHARAM ASHOK	GA.	B.COM
29	BIRADAR RAKESH RAJENDRA	-Bisaga's	B.COM
30	NADAF ASHIF HUSEN	N.A.H	B.COM
31	BHUSANUR SUDHEER DATTA	FUNDA STA	B.COM
32	YADAV GHANSHYAM NARENDRA	YadaV	B.COM
33	KULKARNI RUSHIKESH PRASAD	Kom	B.COM
34	JAMDADE RAJ KIRAN	Bui	B.COM
35	TELI SHAMBHAVI SHAVANT	0	B.COM
36	JAYAGOND AVANTIKA ANIL	Um-	B.COM
37	BABALAD PARASHURAM	Gosta	
٠,	SIDDHANNA	PEN O	B.COM
38	BABALAD BASAVARAJ THAKKAPPA	But	B.COM
39	AWAJI BEERAPPA MAYAPPA	Aform-	B.COM
40	SALE BHASKAR BALU	SMow.	B.COM
41	MANAVAR AJEET RAMADAS	appa. O.	B.COM
42	BUDANUR KASHINATH BALU	APPR	B.COM
43	TELSANG ASHISH BHIMRAO	Taulo -	B.COM
44	TAMBOLI KAUSEEN AFJAL	Micha	B.COM
45	MANDALE SANTOSH BAPU	Mym	B.COM
46	SHAIKH SOHEL SAHEBALAL	PEN	B.COM
47	JAMADADE YASHAVANT KRISHNA	Auk.	B.COM
48	KAYAPURE PRAJWAL SIDRAYA	K.P.S .	B.COM
49	BHOSALE RESHMA SATYAPPA	abou	B.COM
50	BHOSALE RAVI MAHADEV	Denn	B.COM
51	MATHAPATI MALLIKARIUN GIRAMALLAYYA	omsf-	в.сом
52	PATIL PRAGATI YUVRAJ	Punti	B.COM
53	SALE BHAKTI GAJANAN	end .	B.COM



Head
Department of Commerce
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Diet. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Autonomous (Self-Financed) Short Term Course

in

"Mushroom Cultivation"

Organized by

Department of Botany

Shri S.B. Patil

Head and Course Co-ordinator

Department of Botany



2020-2021

II Dhairyam Sarvatra Sadhanam II

Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In

MUSHROOM CULTIVATION



Department of Botany, Shri RK Patil ACS College Sankh, Tal- Sankh,Dist-Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Ref.No.

:06/12/2020

Date

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Mushroom Cultivation

Respected sir,

With the reference to above subject, our Botany department is going to conduct certificate course in Certificate Course of **Mushroom Cultivation** for B. Sc. Students in this year academic year (2020-21). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Department of Botany,

Shri R K Patil AGS dadlegeSankh,

Tal-latir Distribution of Botany

Tal-latir Distribution, Commerce

& Science College, Sankh

Tal. Jath, Dist. Sangli

Wanted of 6112/23





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course:

"Mushroom Cultivation"

2020-2021

THEORY SYLLABUS

UNIT-1:

(6 Lectures)

Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible); Nutritional values of mushrooms, Scope for large scale cultivation, Different cuisines by using mushroom

UNIT-2:

(6 Lectures)

Methodology for mushroom cultivation: Preparation of Spawn (grain spawn and straw spawn); Preparation of mushroom bed; Spawning of mushroom bed; Watering of mushroom bed; Harvesting of mushroom

UNIT-3:

(6 Lectures)

Harvest and Post-Harvest Handling:

Precautions for mushroom Harvesting, Grading, Post-harvest techniques and storage

UNIT-4:

(2 Lectures)

Need for the mass cultivation; Market status of mushroom; Different marketing strategies





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation"

(2020-2021)

LIST OF PRACTICALS

Practical 1. Study of Classification of Mushroom

Practical 2. Study of preparation of Spawn (grain spawn and straw spawn)

Practical 3. Study of technique of mushroom culture on bed

Practical 4. Study of harvesting methods of mushroom

Practical 5. Study of different food preparations from edible mushroom

Practical 6. Study of Grading; drying; storage methods





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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

To

M.S. MALI

HOD of Botany Department,

Arts, Commerce and Science College Umadi

A/P- Umadi, Tal- Jath

Subject: Invitation as a resource person for certificate course in

"Mushroom Cultivation"

Respected Sir,

I am pleased to invite you to conduct certificate course in "Mushroom Cultivation" for academic 2019-20 under Department of Botony from Date 12/12/2020to 12/02/2021.

We look forward your presence and guidance

Thanking you

Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2020-2021)

SYLLABUS DISTRIBUTION FOR THEORY AND PRACTICALS

Lectures: 30 (Theory: 20 and Practical: 10)

Sr. No	Theory	Faculty
1.	Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible), Nutritional values of mushrooms, Need for the mass cultivation, Market status of mushroom, Scope for large scale cultivation	S.B. Patil
2.	Different Practices for mushroom cultivation Preparation of Spawn. Preparation of mushroom bed, spawning of mushroom bed, Watering of mushroom bed, Harvesting of mushroom.	S.S.Rathod
3.	Necessary precautions for mushroom cultivation	S.B. Patil
4,	Post-harvest storage, Different marketing strategies	S.S.Rathod
	Practicals	Name of Faculty
L	Preparation of Spawn/mushroom bed	S.B. Patil
2.	Culturing of mushroom and watering of bed	S.S.Rathod
3,	Harvesting of mushroom	S.B. Patil
4.	Necessary precautions during harvesting and their storage	S.S.Rathod



Department of Botally Hend Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli







Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2020-2021)

BOS PANEL INTERNAL EXPERT

Sr. No.	Name of Faculty	Designation	
1.	S.S.Rathod	Head and Course co-ordinator Department of botany	
2,	S.B. Patil	Assistant professor Department of botany	

External Expert

Sr. No.	Name of Faculty	Designation
01	M.S.MALI	HOD of Botany Department , Arts, Commerce and Science College Umadi A/P- Umadi , Tal- Jath





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2020-2021)

Time -Table

Time	Day						
2.30-3.30pm	Lecture	Monday (Batch -A)	Thursday (Batch-B)				
2.30-3.30pm	Practical	Tuesday (Batch -A)	Friday (Batch-B)				







Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany
Short Term Course: "Mushroom Cultivation"
2020-2021

Date: 06/12/2019

NOTICE

All the students of B.Sc I are hereby informed that the Department of Botany is conducting a self financed one month. Short Course on "Mushroom Cultivation" Intrested students register their names to S.B. Patil before 10 /12/2019.



Department of Botany
Shri R. K. Putil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V/100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.



Department of Botany Short Term Course: "Mushroom Cultivation" (2020-2021

Resistration List

Sr No	Name of students	
1.	KALE HARISH DNYANU	
2.	VHANWAD FIROJ NABISAB	
3.	KAMALE MANKESHWAR KANAKDAS	
4.	SHINDE RAHUL ARJUN	
5.	LONAR KUMAR SANJAY	
6.	SHELAR KHANDOBA DADASO	
7.	BASARAGI YUVARAJ CHIDANAND	
8.	MANAVAR SACHIN BIRAPPA	
9.	MADANE PRIYANKA TUKARAM	
10.	TELI VAISHNAVI NINGONDA	
11.	KOLUR NANDINI BASAVARAJ	
12.	DOLTADE POOJA VISHNU	
13.	KHADATARE KOMAL SUBHASH	
14.	HUGAR DEVENDRA PRABHAKAR	
15.	PATIL SHIVANAND RAJKUMAR	
16.	GAIKWAD JANHAVI SAMBHAJI	
17.	MANE SANJAY SAMBHAJI	
18.	NATIKAR NAGARAJ SIDDARAM	
19.	MALI PRATIKSHA TAMMANNA	
20.	MALI CHANABASU ANAND	



Sr No	Name of students	
21	KHOT NAVANATH SHIVAJI	
22	LONI ROOPALI UMESH	
23	PATIL SAGAR SANJAY	
24	BASARGI PALLAVI RAMAGONDA	
25	MALI PREMA MAHADEV	
26	UMARANI GIRISH SURYAKANT	
27	NAGARYAL JYOTI MAHADEV	
28	MALI AMIT APPASAHEB	
29	PATIL MAHESH BHUJINGA	
30	BIRADAR NINGAPPA MADAGONDA	
31	GADADE NIRAJ MALLIKARJUN	
32	DHANAGAR LAYAPPA SHRISHAIL	
33	AWATI MANOJ MAHADEV	
34	KHOT GANAPATI DHAREPPA	
35	BIRADAR SHRUDDHA AMAGOND	
36	GEJJI PRAMOD MURAGEPPA	
37	PUTHANI ABHISHEKH SUBHAS	
38	PATIL PRAKASH SIDDAPPA	
39	KHOT NAVANATH SHIVAJI	





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Department of Botany Short Term Course: "Mushroom Cultivation" (2020-2021

Attendence for theory

		Dates								
Sr No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan,	20 th Jan	jan,	27 th Jan	
1.	KHOT NAVANATH SHIVAJI	Fines	Khod	Klund	Ab	Khus	Filesol	Klosel	- Khe	
2.	LONI ROOPALI UMESH	Red.	fly	Ruf	Lug	Ref	Rup	Rup	fret	
3.	PATIL SAGAR SANJAY	Same	509	Say	Sogn	Sugar	599	Sign	Sig	
4.	BASARGI PALLAVI RAMAGONDA	But	Bop	Biff	Buff	Boge	Bir	Big	Big	
5.	MALI PREMA MAHADEV	Plus	Ru	Ru	Ru	Colo	Pin	P-	B	
6.	UMARANI GIRISH SURYAKANT	045	095	Das	343	16	065	UGS	045	
7.	NAGARYAL JYOTI MAHADEV	Bya!	Typal	Jya!	Pand	Ab	Pyrod.	Find	Typa	
8.	MALI AMIT APPASAHEB	Auct	Auct	Aust	Aug	Aust	Ab	Aust		
9.	PATIL MAHESH BHUJINGA	autil	Postil	Bull	Butt	Retil	Augal.	Partil	Pode	
10	BIRADAR NINGAPPA MADAGONDA	Emm.	Brim	Barry		Bono	Bonn		Bm	
11.	GADADE NIRAJ MALLIKARJUN	Manage	Ming	None	Nog	Nong)	Nong	Nong	May	
12	DHANAGAR LAYAPPA SHRISHAIL	16:0	1.6.7	LS:D	Ab	Ab	1.5.0	Ab	1.5	
13	AWATI MANOJ MAHADEV	2222000	الكالمات	10000000	y to	400000	9:000	Parters &	17:000	
14	KHOT GANAPATI DHAREPPA	Kgd.	Kyd	Arb.	Mal.	Kgol	eggl	Kgd	Kg	
15	BIRADAR SHRUDDHA AMAGOND	Sub	Stub	South	Soul	Soul	South	Send,	Soul	
16	GEJJI PRAMOD MURAGEPPA	Dima	Ping	Pma	(Pm	Rma	Grang	Ama	(Pm	
17	PUTHANI ABHISHEKH SUBHAS	Abhi	ALLE	Obh	ALL	06	Abhi	Ab	Abhi	
18	PATIL PRAKASH SIDDAPPA	Ba	PSp.	Rep	RSD	PSP	Rep.	Rep	ASI	
19	KHOT NAVANATH SHIVAJI	Khat.	thed	, KN	Kho	Khut.	Kheet	that.	the	



		Dates								
Sr No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	20 th Jan	22 th jan	27 th Jan	
20	KALE HARISH DNYANU	H.D.K	1105	-H. DK	HJD-K	#.D.K	H.D.S	HIDK	H-D-K	
21	VHANWAD FIROJ NABISAB	fiered	feest	finely	Feren	fared	Feesof	first	Lill	
22	KAMALE MANKESHWAR KANAKDAS	Kesst	Buch	But	Post	Bud	D.	Rud	(E)-d	
23	SHINDE RAHUL ARJUN	Best	Roger	Dagust	新的	Bunt	found	Palo	Rouged	
24	LONAR KUMAR SANJAY	M	10000	KEL	K	HEL	KEL	Kel	KL	
25	SHELAR KHANDOBA DADASO	KDS	K.D.G	K.D.5	KD5	86	KDS	KDS	KD5	
26	BASARAGI YUVARAJ CHIDANAND	yes	Uses	Uses	Usp	y.	yes.	UEB	y 3B	
27	MANAVAR SACHIN BIRAPPA	ento	4	Carline.	Carles	Pro	contro	44.0	Spelin	
28	MADANE PRIYANKA TUKARAM	-GX	GX.	SOK	SOK	SEK	Sek	Sex.	Pho	
29	TELI VAISHNAVI NINGONDA	V-MT	V-N-7	FW.Y	V-W-7	VAT	VWT	V-N-T	V-1V-7	
30	KOLUR NANDINI BASAVARAJ	Bak	Brit	2	Book	Bak	Bonk	Books	Brits	
31	DOLTADE POOJA VISHNU	Aveja	Acqu	Projec	Deojo	Poojo	Pooja	paojo	povjo	
32	KHADATARE KOMAL SUBHASH	Maral	Konal	Konal	Mand	Kena	Maria	-Dio	Kamal	
33	HUGAR DEVENDRA PRABHAKAR	But	Beat	Level	Rod	Ph	let	But	Rent	
34	PATIL SHIVANAND RAJKUMAR	Seo	Se	Ab.	Sep	Sep	Sep	Sen	Sep	
35	GAIKWAD JANHAVI SAMBHAJI	Liga	Ig	Top	Ting	万	Tag	馬	Ty	
36	MANE SANJAY SAMBHAJI	Sayy	Same	Sourge	116	Jaripy	Siy.	Soundar	Som	
37	NATIKAR NAGARAJ SIDDARAM	MEN	NW	BN	ALN.	BN	BN	NEN	New	
38			Male	Asb	Male	Mal	Mali	Mali	Mali	
39	MALI CHANABASU ANAND	Part	Cont	Court	Court	Cuel	Po	Cont	Gut	





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Add-On Course: "Mushroom Cultivation" 2020-2021

Question paper

Total Marks: 50

Time: 11.00 am-1:00 pm

Date: February 12, 2020

Instructions: 1. All questions are compulsory

2. Draw neat and labelled diagrams wherever necessary.

3. Figures to the right indicate full marks.

O. I Write short notes on any six:

(30 Marks)

i. Describe the nutritional values and health benefits of mushroom?

ii. Why there is need for mass cultivation of mushrooms?

iii. Write in brief about different marketing strategies for mushroom?

vi. How to differentiate edible and non-edible mushrooms?

v. Write a brief note of the preparation of spawn and mushroom bed?

vi. Need of post-harvest storage for mushrooms.

Q. 2 Long answer questions (Any two).

(20 Marks)

1. What are the different practices for mushroom cultivation?

ii. What are the necessary precautions for mushroom cultivation during post-harvest storage?

iii. What are different nutritional deficiencies in humans and how the consumption of mushroom will helpful; to overcome those deficiencies?





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Department of Botany Short Term Course: "Mushroom Cultivation" 2020-2021

Attendence for Practicle

J	3401 222 22	200100	Later trade and the	Mary Super-	Da	tes	10.010.00	March II	
SI No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	Jan	22 th jan	27th Jan
1.	KALE HARISH DNYANU	HDK		HD4	-4+DA	ftb	HOR	-HEDE	HO
2.	VHANWAD FIROJ NABISAB	feerth	fusft	Circle	well	Carell	Fund	ficell	fire
3.	KAMALE MANKESHWAR KANAKDAS	End	(Bod	Bul	Ath	End	(Port	Ba	(B)
4.	SHINDE RAHUL ARJUN	Rouget	Regard	Durch	House	1760	Requit	Burst	Pans
5.	LONAR KUMAR SANJAY	MIL	pay	K	ALL	ALL	KSL		Kal
6.	SHELAR KHANDOBA DADASO	K:D-5	KD5	K DS	K-D5	K-D6	-Asia	KØ5	KI
7.	BASARAGI YUVARAJ CHIDANAND	Ugo	40	-Bib	yes	Use	yes	y,	y BB
8.	MANAVAR SACHIN BIRAPPA	Cabhin	Sach	Sahir	Ab	Sachim	code	Goah 13	South
9.	MADANE PRIYANKA TUKARAM	COK	Sex	-Ab	COR	SON	COK	CON	9
10.	TELI VAISHNAVI NINGONDA	V-N-T	V-N.7	V:W.7	136	V-N-7	V-W-T	V-N-7	V-W
11.	KOLUR NANDINI BASAVARAJ	Bnk	Brok	Book	Benk	Brok	Bak	130	Book
12.	DOLTADE POOJA VISHNU	Raigo	Proja	perfa		Poorja	Poora	People	pa
13.	KHADATARE KOMAL SUBHASH	Karnel	Konal	Kanal	Kina	Konal	- Kral	116	Vonik
14.	HUGAR DEVENDRA PRABHAKAR	Levet	Lut	Rud	Root	Rut	Red	Bol	Rec
15.	PATIL SHIVANAND RAJKUMAR	Sep	SRO	70	SAD	Sec	Sym	Spp	54
16.	GAIKWAD JANHAVI SAMBHAJI	La	(Esy	TSU	Jan	Jog	Ya	TSq	JE
17.	MANE SANJAY SAMBHAJI	Surry	Sonya	100	Sumply	Sanyo	Sarry	f16	Som
18.	NATIKAR NAGARAJ SIDDARAM	My.	NSW.	My	12m	NSW	NEN	Mr.	M
19.	MALI PRATIKSHA TAMMANNA	14/0/1	Male	Mali	dip.	Male	Male.	Mali	Ma
20.	MALI CHANABASU ANAND	Court	Cust	Court	Cont	Cuel	Court	Court	106



		Dates									
SI No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	20 th Jan	22 th jan	27 th Jan		
21	KHOT NAVANATH SHIVAJI	Klook	Klass	Klod	Klass	Klow	Klook	Klost	Khow		
22	LONI ROOPALI UMESH	Rey	Ref	Reg	Rix	Rel	Reg	Rig	Louf		
23	PATIL SAGAR SANJAY	Sodge	Sugr	Solgi	Shy	Sdy	Stor	Som	Som		
24	BASARGI PALLAVI RAMAGONDA	Big	Bufe	Biff	时	guff	BAY	BIH	Buff		
25	MALI PREMA MAHADEV	Ru	Ru	Ph	P-	(R)-	P-	(R)-	P		
26	UMARANI GIRISH SURYAKANT	093	045	vas	095	045	200	045	095		
27	NAGARYAL JYOTI MAHADEV	Type	The state	Than	Jugat	Prib	Pyth	Ford!	Jegal		
28	MALI AMIT APPASAHEB	Auct	Acut	Acert	Ann	Acres		Aun	Aug		
29	PATIL MAHESH BHUJINGA	polit	partil	postel	petil	patil	pake	Adil	Andil		
30	BIRADAR NINGAPPA MADAGONDA	Bonn	Bonn	Brow	Boren	Bear	Barrer	Bom	Brm		
31	GADADE NIRAJ MALLIKARJUN	Nongy		Nong	Nog	1 Nog	Nog	Nosg	Wary!		
32	DHANAGAR LAYAPPA SHRISHAIL	150	L6:D	160	2.63	2.5.0	L-6.2	1.60	15:		
33	AWATI MANOJ MAHADEV	ALGORALD.	(orgen)	tomas r	mag	Massass	(all)	man	Margar M		
34	KHOT GANAPATI DHAREPPA	Kad	1gd	Kgf	Kgd	Kgd	Kgrf.	Kgd	Kgd		
35	BIRADAR SHRUDDHA AMAGOND	Sub	Sod	Soul	Sub	Soul	-106	Sol	Soul		
36	GEJJI PRAMOD MURAGEPPA	Bing	Brig	Bing	Brig	Ping	Ame	Brig	Bri		
37	PUTHANI ABHISHEKH SUBHAS	Abl	Abh!	Ph	Abhi	Alle	06/1	Obli	Abh		
38	PATIL PRAKASH SIDDAPPA	Pop	R	Rep	Bp	PSp	Bp	Bo	Ry		
39	KHOT NAVANATH SHIVAJI	Hat	Mod	· poles	Hut	thed.	Kled	Khud	Hut		







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Add-on Certificate Course On

Sericulture



Organised by

Department of Zoology

Course incharge

Mr.Mali.G.S

Course duration- 1 Jan 2019 to 5 Feb 2020



INDEX

Add-on certificate course on sericulture Year 2019-2020

Sr.no.	Content
1.	Permission Letter
2.	Notice
3.	Syllabus
4.	Objectives and Learning Objectives
5.	Time table
6.	List of participants
7.	Attendance
8.	Question Paper
9.	Certificate





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Ref.No.

Date:20/12/2019

To,

The Principal,

Shri. R.K.P. Art, Commerce

and Science College, Sankh.

Tal-Jath, Dist-Sangali.416412

Subject: Regarding permission to commencement of certificate Course in

Certificate Course of Sericulture

Respected sir,

With the reference to above subject, our Botany department is going to conduct certificate course in Certificate Course of **Sericulture** for B. Sc. Students in this year academic year (2019-20). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Department of Zoology, Shri RK Patil ACS College Sankh, Tal- Sankh,Dist-Sangli



Head
Department of Zoology
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Notice

Date-26-12-2019

All students of B.sc-I and II are here by informed that Department has organised "Add-on Certificate Course on Sericulture" from 28-12-2029. All students are informed that they should remain present for course on time. It may clearly noted that will be collected from absent students.



Head
Department of Zoology
Shri R. K. Patil Arts, Continerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



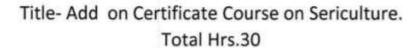
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Theory

- Life cycle of Bombyx mori-Morphology of egg,larva,pupa, and adult of Bombyx mori.
- Morphology and Anatomical structure of Silk gland.
- Rearing house:Location, orientation, plan and utilities; model rearing house; low-cost rearing house.
- Chawki rearing:Preparation; brushing and its mathods;types of chawki rearing traditional and improved method;optimum environmental conditions; methods and frequency of feeding,methods of bed cleaning spacing;moulting and care during moult.
- Late age silkworm rearing :Methods;optimum environmental condition ;methods andfrequency of feeding;methods of bed cleaning;Spacing;moultingcare during moult.
- Brushing: Methods; chwki rearing; use of paraffin paper and blue polytene sheet. Bed cleaning; use of bed cleaning net and disposal of bed refuses and silkworm litter.
- Moulting: Identification of moultinglarva, care during moulting:moulting density; harvesting of cocoons; assessmentof cocoons types of mountages; Maintanance of records for silkworm rearing.
- Introduction; Classification of silkworm disease.

Practicals

Study of life cycle of Silkworm

· Choking of silkworm





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Department of Zoology

Year:2019-20

Add-on Certificate Course

On

Sericulture

Objectives:

- On completing the Sericulture course, students will be able tounderstand overall aspects of Sericulture, namely, Mulberry and non-mulberry silkworms and their food plants, Rearing of the silkworm pathology. Process of silkworm seed production and silk technology.
- This course creates awareness among about the economic importance and suitability of sericulture in Indian conditions.
- Students will get hands on training on Mulberry nursery management, Silkworm rearing, and Silk reeling.
- · Employing self employment and enterpreneurship among youths.

Learning Outcomes:

- Understand concepts of sericulture industry and demostrate interdiscilinary skills aquired in mulberry plant cultivation, silkworm rearing, diagnosis of diseases and pest of mulberry and silkworm and their prevention and its Seri-farmers livelihood.
- Demostration the Laboratory and field skills in mulberry cultivation and silkworm rearing with emphasis on technological aspects..
- Competent to transfer the knowledge and technical skills to the Serifarmers.
- Critically analyse the environmental issues and applyin management ofmulberry garden and silkworm rearing at field.





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Department of Zoology

Year: 2019-2020

Add-on Certificate Course

On

Sericulture

Time Table- 2019-20

Theory and Practical

Time	Mon	Tues	Wed	Thurs	Fri	Sat
1.30-2.15 Theory	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S
2.30-4.30 Practical	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S



Head
Department of Zoology
Shri R. K. Delt A. Sore Lankh
Tal. Jans, Diet. Sengli



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Add-on Certificate Course On Sericulture

Sr.no.	Name of the students
1.	NAVI MAMATA DASHARATH
2.	THOMBARE VASANT SHAMRAO
3.	CHOUGULE AKSHAY MAHADEV
4.	KHANDEKAR AJAYKUMAR BASANNA
5.	SHAIKH AJAN VAJIR
6.	MOTE SAGAR BIRU
7.	MOTE SUNIL KRISHNA
8.	SANADI ROHIT RAJENDRA
9.	KOLUR SHREELAKSHMI BASAGOND
10.	KOLUR AMBIKA BASAGOND
11.	KHOT MUKTA SHIVAJI
12.	KARAPE DHULADEV TUKARAM
13.	BIRADAR POOJA HANAMANT
14.	DESAI RANI AVADUT
15.	KORE SIDDHANING MAHADEV
16.	KALLI VIKAS RAJENDRA
17.	VAGOLI SAKSHI RAMAGONDA
18.	AIHOLE ROHINI RAVASAHEB
19.	GADADE SHRUTI MALLIKARJUN
20.	BIRADAR SHRUTI APPASAHEB
21.	MULLA MINAJ IMAM
22.	NATIKAR PALLAVI SURESH
23.	DALWAI TANUJA ANNAPPA





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Department of Zoology

Year: 2019-2020

Add-on Certificate Course On Sericulture

Attendance sheet

Sr.no	Name of the students	1 Jan	2 Jan	3 Jan	4 Jan	6 Jan	7 Jan	8 Jan	9 Jan	10 Jan	11 Jan	13 Jan	14 Jan
1	NAVI MAMATA DASHARATH	100	MB.	NIG	(m)	ano	Oan	pro	MMO	MA	ONEA	DEA	ano
2	THOMBARE VASANT SHAMRAO	(Mark	DIM	Too	Bra	Bud	BUA	Book	PNA	BOVA	674	@31d	Rud
3	CHOUGULE AKSHAY MAHADEV	Flesh	E Page	FAb	ENER	AVA	TAb.	Photo	PAR	Type !	TAb	Nest 1	TAL
4	KHANDEKAR AJAYKUMAR BASANNA	Med	安	Dept.	By.	Bel	egod	BOR	0	Red	But	24	0
5	SHAIKH AJAN VAJIR	VOLU	VOH	100	- xit	South	-430	Ab	VOLUM	Vitio	L VOUS	Ab	0
6	MOTE SAGAR BIRU	Total	nsi	mo	t tog	mo	Lyst	44	re et	ന്ത്ര	Mot	16	do
7	MOTE SUNIL KRISHNA	equi	and	guni	-	cons	-	omi	-	Clyni	cure	own	ani
8	SANADI ROHIT RAJENDRA	GONDA	Good	Gord	and	and	and	Bird	Bro	Baro	gard	and	Bmo
9	KOLUR SHREELAKSHMI BASAGOND	LAND.	H810	18%	KYE	WA	HA	KW	4913	Kin	KSB	HB.	196
10	KOLUR AMBIKA BASAGOND	(Kold	Cold	Rold	add	Ab	MOOL	projot	Colsi	Visia	bolg	Cola	Ab
11	KHOT MUKTA SHIVAJI	Bhob	(Rhot	Pho	PH	Book	And	Whole	Khat	Apot	Date	Bod	Pot
12	KARAPE DHULADEV TUKARAM	Code	Vand	word	(Bale)	Varre	Macos	word	Vare	Lord	Sudan	Carrie	Porc
13	BIRADAR POOJA HANAMANT	BON	BAR	APH	APER	RAH	BEH	REN	BPH	Batt	RAN	RA	APA
14	DESAI RANI AVADUT	AVOID	MICH	Promp	VA VOICE	Bum	Avion	A vao	(Near)	Polar	Ason	Acron	Aven
15	KORE SIDDHANING MAHADEV	FEE	Book	Vand.	Pros.	Vital	YOUR .	Vone	Year	Vind	40	(vol	Vond
16	KALLI VIKAS RAJENDRA	Karre	BUE	(Va	my	Ban	and	KUDY	Me	M	(ex)	(Del)	DAY



17	VAGOLI SAKSHI RAMAGONDA	930	(30)	120	100	Ab	(Per	Sugge	- Mary	The same	Ab	Sayle	Vago
18	AIHOLE ROHINI RAVASAHEB	APRAI	Pile	Ab	Affile	ALLA	-Na	-	Albao	一种	Ab	Albao	-AL
19	GADADE SHRUTI MALLIKARJUN (Godas	900	add	gide	gode	God	6	9001	gradi	Ab	900	and
20	BIRADAR SHRUTI APPASAHEB	about	div	Shoop	Abo	Skriv	Ship	Shir	Ab	Shie	Shi	total	Ala
21	MULLA MINAJ IMAM	Molia	Kello	(SUE	Could		A STIM	malle		et of the	Kello	1813	2 decel
22	NATIKAR PALLAVI SURESH	all	Bally	Pal	NAS	Salh	Bully	Palla	Ab	Pallary	Pella	Palle	Pallo
23	DALWAI TANUJA ANNAPPA	Dellea	Ab.	Dalan	Telan	makeo	galas	Cala	Sular	Ab	salas	Traba	bul



Shri.R.K.Patil Arts, Commerce and Science College, Sankh

Department of Zoology

Question Paper

Add-on Certificate Course On Sericulture.

Marks:30

Instructions

- 1.All the questions are compulsory.
- 2. Questions to the right indicate full marks.
- 3.Draw neat and labelled diagrams wherever necessary.

Q.1 .Long questions.[any2]

20

- a.Describe in details life cycle of Bombyx mori.
- b.Explain in brief Silkworm fungal diseases.
- c.Explain Chouki rearing

Q.2.Write short notes on following[any2]

10

- a.Silkworm
- b.Types of moutages
- c.Moulting in silkworm



SHIVALINGESHWAR SHIKSHAN SANSTHA

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL - JATH DIST- SANGLI.

(Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF Zoology



CERTIFICATE

This is to Certify that Mr. /Ms. Kalli. Vi.kas. Rajendza.has successfully completed the "Sericulture" at graduate Department of Zoology in fixs. L. class in the academic year 2019-20

Co-ordinator

Co-ordinator

Head
Department of Zoology
Shri R. K. Patil Arts, Commerce
& Science College, Cankh
Tal. Jath, Dist. Sengli

I/C Principal

I/c. Principal, Shri R. K. Patil Arls, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Autonomous (Self-Financed) Short Term Course

In

"Mushroom Cultivation"

Organized by

Department of Botany

Smt: Shri S.B. Patil

Head and Course Co-ordinator

Department of Botany

2019-2020



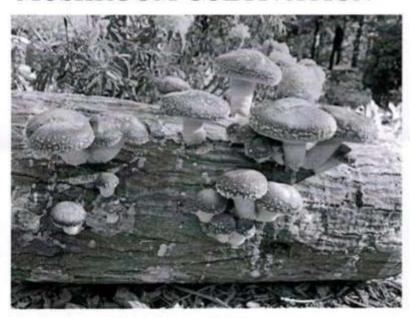
Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In

MUSHROOM CULTIVATION



Department of Botany, Shri RK Patil ACS College Sankh, Tal- Sankh Dist-Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Ref.No.

Date:06/12/2019

To. The Principal, Shri. R.K.P. Art, Commerce and Science College, Sankh. Tal-Jath, Dist-Sangali.416412

> Subject: Regarding permission to commencement of certificate Course Mushroom Cultivation

Respected sir,

With the reference to above subject, our Botany department is going to conduct certificate course in Certificate Course of Mushroom Cultivation for B. Sc. Students in this year academic year (2019-20). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Department of Botany,

Shri R K Patil ACS College Sankh,

Tal- Sankh, Dist-Sangli

Head

Department of Botany Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jeth, Dist. Sangli



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Department of Botany Short Term Course: "Mushroom Cultivation"

(2019-2020)

THEORY SYLLABUS

UNIT-1:

(6 Lectures)

Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible); Nutritional values of mushrooms, Scope for large scale cultivation, Different cuisines by using mushroom

UNIT-2:

(6 Lectures)

Methodology for mushroom cultivation: Preparation of Spawn (grain spawn and straw spawn); Preparation of mushroom bed; Spawning of mushroom bed; Watering of mushroom bed; Harvesting of mushroom

UNIT-3:

(6 Lectures)

Harvest and Post-Harvest Handling:

Precautions for mushroom Harvesting, Grading, Post-harvest techniques and storage

UNIT-4:

(2 Lectures)

Need for the mass cultivation; Market status of mushroom; Different marketing strategies





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Department of Botany Short Term Course: "Mushroom Cultivation"

(2019-2020)

LIST OF PRACTICALS

Practical 1. Study of Classification of Mushroom

Practical 2. Study of preparation of Spawn (grain spawn and straw spawn)

Practical 3. Study of technique of mushroom culture on bed

Practical 4. Study of harvesting methods of mushroom

Practical 5. Study of different food preparations from edible mushroom

Practical 6. Study of Grading; drying; storage methods





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To

M.S. MALI

HOD of Botany Department,

Arts, Commerce and Science College Umadi

A/P- Umadi, Tal- Jath

Subject: Invitation as a resource person for certificate course in

"Mushroom Cultivation"

Respected Sir,

I am pleased to invite you to conduct certificate course in "Mushroom Cultivation" for academic 2019-20 under Department of Botany from Date 12/12/2019 to 12/02/2020.

We look forward your presence and guidance

Thanking you

Your farthfully
Department of Botany
Park, K. Patil Arts, Commerce
Hence College, Sankh





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2019-2020)

SYLLABUS DISTRIBUTION FOR THEORY AND PRACTICALS

Sr. No	Theory	Faculty
1.	Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible), Nutritional values of mushrooms, Need for the mass cultivation, Market status of mushroom, Scope for large scale cultivation	S.B. Patil
2.	Different Practices for mushroom cultivation Preparation of Spawn. Preparation of mushroom bed, spawning of mushroom bed, Watering of mushroom bed, Harvesting of mushroom.	S.B. Patil
3.	Necessary precautions for mushroom cultivation	S.B. Patil
4.	Post-harvest storage, Different marketing strategies	S.B. Patil
	Practicals	Name of Faculty
T.	Preparation of Spawn/mushroom bed	S.B. Patil
2.	Culturing of mushroom and watering of bed	S.B. Patil
3.	Harvesting of mushroom	S.B. Patil
4.	Necessary precautions during harvesting and their storage	S.B. Patil

Lectures: 30 (Theory: 20 and Practical: 10)

Course Co-ordinator

HOD

Control of the collection of t

Department of Botany Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli



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Department of Botany Short Term Course "Mushroom Cultivation" (2019-2020) BOS PANEL INTERNAL EXPERT

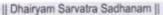
Sr. No.	Name of Faculty	Designation	
1.	S.B. Patil	Head and Course co-ordinator Department of botany	

External Expert

Sr. No.	Name of Faculty	Designation
01	M.S.MALI	HOD of Botany Department, Arts, Commerce and Science College Umadi A/P- Umadi, Tal- Jath

Estd 2018 College Coll

Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany

Short Term Course: "Mushroom Cultivation"

(2019-2020)

Time -Table

Time		Day	
2.30-3.30pm	Lecture	Monday (Batch -A)	Thursday (Batch-B)
2.30-3.30pm	Practical	Tuesday (Batch -A)	Friday (Batch-B)



Department of Botany Shri R, K. Patil Arts, Commerce Science College, Sankh Tal, Jath, Dist, Sangli



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Department of Botany Short Term Course: "Mushroom Cultivation" (2019-2020)

Date: 06/12/2019

NOTICE

All the students of B.Sc I are hereby informed that the Department of Botany is conducting a self-financed one month. Short Course on "Mushroom Cultivation" Interested students register their names to S.B. Patil before 10 /12/2019.

Head



Department of Botany Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli



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Department of Botany Short Term Course: "Mushroom Cultivation" (2019-2020)

Registration List

Sr No	Name of students	
1.	DALWAI TANUJA ANNAPPA	
2.	NIKAM JAYAVANT RAMACHANDRA	
3.	DASHAL ARUN VIDYANAND	
4.	MALI HANAMANT MAHADEV	
5.	SHIVSHARAN RAKESH UTTAM	
6.	DARGUDE SUNIL BIRA	
7.	SHIROL RAHUL BABASAHEB	
8.	SHIROL VISHAL CHANDRAKANT	
9.	KHOT KOMAL NAMDEO	
10.	NATIKAR SUPRITA RAMAPPA	
11.	TAMBE PUTALAPPA PARAMESHWAR	
12,	REBAGOND MALLESH BASAGOND	
13.	KADAM PRANAV DILIP	
14.	UDAGERI CHANDRASHEKHAR MALLIKARJUN	
15.	KODAG LAKHAN MADHU	
16.	JADHAV AMOL DATTARAM	
17.	INDI RAVIKANT RAJENDRA	
18.	KAMBLE ROOPALI SOPAN	
19.	NILE AMOL PRAKASH	
20.	SALUNKHE SIDDHESHWAR MAHADEV	



Sr No	Name of students	
21	VHANWADE SATISH BASU	
22	SARAGAR RAJAT BABAN	
23	KAVANDI SHRISHAL SHANKAR	
24	SAWANT AMOL DADASO	
25	KUMBAR RAGHAVENDRA RAJENDRA	
26	DINDUR SHIVAKUMAR SHARANAPPA	
27	HIREMATH PUSHPA RADDAYYA	
28	BIRADAR BHAGYASHRI RAMAGONDA	
29	KHOT TUKARAM AVADUT	
30	MOTE SURESH RAJU	
31	PATIL PRAVIN TAYAPPA	
32	MUDAGOUDAR AKSHAYKUMAR SHANKARGOUD	
33	PUJARI KAVITA KALLAPPA	
34	ARALI ROHINI SHRISHAIL	
35	KOLI MALLIKARJUN RAMANNA	
36	BHUSNUR SUNIL LAHAYAPPA	
37	SONAVANE AKSHATA BHMASHANKAR	
38	VHANWADE SATISH BASU	
39	SARAGAR RAJAT BABAN	





Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Department of Botany Short Term Course: "Mushroom Cultivation" (2019-2020)

Attendance for Practice

	14.000 144.0004-1400-1		Value No.		D	stes			
Sr No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	Jan	jan	Jan
1.	DALWAI TANUJA ANNAPPA	Torus	Taman	Trumb	Torals	TOMOS	Tame	Torre	Touga
2.	NIKAM JAYAVANT RAMACHANDRA	Ab	Sighar	FAIN ON	HYCO	Author	PALCO	Acan	Morro
3.	DASHAL ARUN VIDYANAND	D.R.V	Pib	D.P.1	DRN	TOW	DEN	DB	0.
4.	MALI HANAMANT MAHADEV	Moh	Mal	Ah	male	Mali	COOL	POLI	mol
5.	SHIVSHARAN RAKESH UTTAM	SEV	SKV	SKV	Ab	5RV	SEV	SRV	S
6.	DARGUDE SUNIL BIRA	0.5.1	503B	17.5	D-545	Q.5. B	DUB	0.51	2058
7.	SHIROL RAHUL BABASAHEB	Sw.	Sow	Ala	150ch	Solo	191	190	Sou
8.	SHIROL VISHAL CHANDRAKANT	She	gre	Ave	an	Do	Zus	Su	TIN
9.	KHOT KOMAL NAMDEO	Leele	Kahi	Y.ho	Keller	Cool	Kan	0	Lott
10.	NATIKAR SUPRITA RAMAPPA	742	- 64	The	CND	Ala	The	no	(50
11.	TAMBE PUTALAPPA PARAMESHWAR	Dunk	Poul	Kimb	e Con	Form	Pan	amb	Ab
12.	REBAGOND MALLESH BASAGOND	Ref	Alo	1	(P)	A	(Por	R	(A)
13.	KADAM PRANAV DILIP	fare	Fred	Lower	Kenth	Kany		Kun	7,04
14.	UDAGERI CHANDRASHEKHAR MALLIKARJUN	Chan	Que	What	Chin	ab	Var	late	Cole
15.	KODAG LAKHAN MADHU	Fedu	Kredw	LEAST.	- Ala	COR.	St-Fod	WA Ala	(Fostor
16.	JADHAV AMOL DATTARAM	JAI D	TAD	TAR	LAD.	IA9	TAID	1-100	TAT
17.	INDI RAVIKANT RAJENDRA	Und	Ring	AL	Vind	gert	That	- (Xin)	- Ino
18.	KAMBLE ROOPALI SOPAN	Rec	Kul	14	16	1/2	An	100	Riv
19.	NILE AMOL PRAKASH	Nue	Neu	Mean	Non	Des	X	Nuc	AL
20.	SALUNKHE SIDDHESHWAR MAHADEV	Jed.	Q.	Pul	Ple	Pan	De	D	De



					Da	ates			
Sr No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	20 th Jan	22 th jan	27 th Jan
21	VHANWADE SATISH BASU	WEB	V-9:B	V-5-B	VISIB	V-50	-V.S.1	V.5:13	VISI
22	SARAGAR RAJAT BABAN	36	380	186	20	126	SPB	15 PP	JSE
23	KAVANDI SHRISHAL SHANKAR	800	Peter	Fee	Saco	0	Dec	John	P
24	SAWANT AMOL DADASO	Bodos	OBCCO	odas	COBOE	cades	Total	Dodose	Oct MOS
25	KUMBAR RAGHAVENDRA RAJENDRA	Peter	Ret	B	Roc	Bo	Bo	Po	Res
26	DINDUR SHIVAKUMAR SHARANAPPA	OFF.	F	Ab	AP	JB-	Ab	Pa	Ab
27	HIREMATH PUSHPA RADDAYYA	ARK	CURR	And	THE	ARK	ME	AL	THE
28	BIRADAR BHAGYASHRI RAMAGONDA	BBA	280	BBB	BBB	BAR	BER	PER	888
29	KHOT TUKARAM AVADUT	(Kho	Horal	TKNO	MRIVE	Hear	Khot	Ken	LKU
30	MOTE SURESH RAJU	YOU	TIM	+ TOUR	Mosk	MUR	DIE	SUA	A De
31	PATIL PRAVIN TAYAPPA	MUT-	addi	Bis	Retu	16	خسا	Db	Her
32	MUDAGOUDAR AKSHAYKUMAR SHANKARGOUD	Mag .	MA	100 M	May 1	(OR	BAI(-61
33	PUJARI KAVITA KALLAPPA	P.K.K	P.K.K	P.KI	DK.	KP.K.I	P.K.	KO,K-	in Po
34	ARALI ROHINI SHRISHAIL	Asa	An	41	3/4	fan	MA	(Am	for
35	KOLI MALLIKARJUN RAMANNA	VOL	10k	TON .	Less	MELL	usk	well	Lox)
36	BHUSNUR SUNIL LAHAYAPPA	BA	83	Ab	BS	BSk	116	BBL	BS
37	SONAVANE AKSHATA BHMASHANKAR	94	30	90	80	90	8	Sie	So
38	VHANWADE SATISH BASU	V5.8	VSB	V.5.B	V.S.D	1450	51.5B	V.5.B	V.50
39	SARAGAR RAJAT BABAN	-					-	-	





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Department of Botany Short Term Course: "Mushroom Cultivation" (2019-2020)

	At	tenda	nce fo	or the	ory				
	Name of students	Dates							
Sr No		12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	20 th Jan	22 th jan	Jan
1.	VHANWADE SATISH BASU	V-5-B	VISB	V-5.B	v·sa	Ale	V-S-B	Allo	V.S.F
2.	SARAGAR RAJAT BABAN	DONAGE				Rowe	Doubet	Rall	Bess
3.	KAVANDI SHRISHAL SHANKAR	Bur	Duo	Des	Sto	Fitte	Bu	De	Stew
4.	SAWANT AMOL DADASO	Barren	CADAS	Aber	Codolada	Cadole	2000	CO CO	000
5.	KUMBAR RAGHAVENDRA RAJENDRA	Paul	B-	Plus	BL	Be-	Rem	Pow	Por
6.	DINDUR SHIVAKUMAR SHARANAPPA	Dan	Da (Day	Fre	P	Jan (The	Por
7.	HIREMATH PUSHPA RADDAYYA	Piske	Ought	QS RO	Quidrett's	Cashila	DENELL	SON THE REAL PROPERTY.	Ab
8.	BIRADAR BHAGYASHRI RAMAGONDA	288	exe	BEB	SEE	888	alle	SER.	oth
9.	KHOT TUKARAM AVADUT	Browled	Avorth	Anna	male	Bunket	Bundt	FAURA	Autik
10.	MOTE SURESH RAJU	M.58	M-se	MSA	10	MS-R	MISP	MSIR	Mo
11.	PATIL PRAVIN TAYAPPA	Rosi	Alo-	Bur	deti-	- lite	des	(Here	Rec
12.	MUDAGOUDAR AKSHAYKUMAR SHANKARGOUD	M.A.S	189	24	A.A.	24.5	1.15	116	17.0
13.	PUJARI KAVITA KALLAPPA	Rival	Ale	Pupale	Riper	plyms	The same	Pupil	Popul
14.	ARALI ROHINI SHRISHAIL	the	17	the	- Ay	Hos	the	Ab	Ab
15.	KOLI MALLIKARJUN RAMANNA	100)	Yell	Male	100	ton	Ab	HOL	MON
16.	BHUSNUR SUNIL LAHAYAPPA	SATIST	MAN	cysd'	SPENY.	york!	300	400	3
17.	SONAVANE AKSHATA BHMASHANKAR	Care hearts	A SOUTH	Walter Land	and the	NA CONTRACTOR OF THE PARTY OF T	100 m	31	200
18.	VHANWADE SATISH BASU	Now	May	Con	NH.	Ab	Com	YW	1(1)
19.	SARAGAR RAJAT BABAN	5. R. B	S.R.B	5.R.B	LRB	S-R-P	S. R.	SERB	SIR



		Dates							
Sr No	Name of students	12 th Dec	16 th Dec	18 th Dec	06 th Jan	08 th Jan	20 th Jan	22 th jan	27 th Jan
1.	DALWAI TANUJA ANNAPPA	Tamin	Touris	Tourio	Ab	Tauja	Tomia	Ab	Ab
2.	NIKAM JAYAVANT RAMACHANDRA	Marian	Redcor	Mitar	Contract of the Contract of th	Nation	MACON	THOM	Sokan
3.	DASHAL ARUN VIDYANAND	Oak	Pou	Dogui	Don	Davi	Quai	Dung	pear
4.	MALI HANAMANT MAHADEV	Call	Poll	Cali	meli	Poli	Copy	Bull	Prol
5.	SHIVSHARAN RAKESH UTTAM	3RV	Ab	\$V	Ab	200	SPV	SEN	SR
6.	DARGUDE SUNIL BIRA	D.SE	D.54		058	DIR	098	DIE	-
7.	SHIROL RAHUL BABASAHEB	This	Ab	Studen	diam	Shid	Street	Shie	Jus
8.	SHIROL VISHAL CHANDRAKANT	Ass	Br	\$	Dr.	8x	Der,	Ab	St.
9.	KHOT KOMAL NAMDEO	Shaft	Lha	-KAN	Con	Kala	Koh	A KON	fort
10.	NATIKAR SUPRITA RAMAPPA	NR	(B)	CAR	ENOR	W.R.	(ALLE	Ab	OBB
11.	TAMBE PUTALAPPA PARAMESHWAR	Janes	Doup	Mank	e Jan	arab	Box	Goods	Ab
12.	REBAGOND MALLESH BASAGOND	Rt	- (At	Rot	(A)	(3)	RO	189	PO
13.	KADAM PRANAV DILIP	Faut	Luck	Con	Kanto	Ful	Kind	Kee	Ph
14.		lan	(Jus	(0)	(Care	Con	(der	Con	Ab
15.		The same	HT-H		TKIN	PH	1700	Ph	0
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17.	INDI RAVIKANT RAJENDRA	Rud	Hood	1-66	Ab.	Juran	PHO	down	+9
18.	KAMBLE ROOPALI SOPAN	ter	the	14	the	21	the	FW	for
19.	NILE AMOL PRAKASH	M	No	Mus	non	New	An	114	ab
20.	SALUNKHE SIDDHESHWAR MAHADEV	Ba	Ru	Per	Pu	Ru	Per	John	Plu





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Botany Add-On Course

"Mushroom Cultivation"

(2019-2020)

Question paper

Total Marks: 50

Question paper

Time: 11.00 am-1:00 pm

Date: February-12-2020

Instructions: 1. all questions are compulsory

- Draw neat and labeled diagrams wherever necessary.
- 3. Figures to the right indicate full marks.

Q. I Write short notes on any six:

(30 Marks)

- i. Describe the nutritional values and health benefits of mushroom?
- ii. Why there is need for mass cultivation of mushrooms?
- iii. Write in brief about different marketing strategies for mushroom?
- vi. How to differentiate edible and non-edible mushrooms?
- v. Write a brief note of the preparation of spawn and mushroom bed?
- vi. Need of post-harvest storage for mushrooms.

O. 2 Long answer questions (Any two).

(20 Marks)

- 1. What are the different practices for mushroom cultivation?
- ii. What are the necessary precautions for mushroom cultivation during post-harvest storage?
- iii. What are different nutritional deficiencies in humans and how the consumption of mushroom will helpful; to overcome those deficiencies?



II Dhairyam Sarvatra Sadhanam II Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In

"Soil and Water Analysis"



Department of Chemistry, Shri RK Patil ACS College Sankh, Tal- Sankh, Dist-Sangli

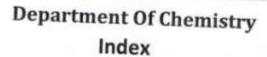


Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Sr. No	Name of the documents	
1	Brochure	
2	Permission letter	
3	Meeting Notice	
4	Minute Meeting Notice	
5	Notice	
6	Time Table	
7	Syllabus	
8	Registration	
9	Question paper	
10	Model Answer Key	
11	Result Analysis	
12	Attendance	
13	Feedback	
14	Report	
15	Out Come	
16	Certificate	



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CERTIFICATE COURSE

"Soil and Water Analysis"

Introduction

The leaf analysis laboratory of the Division of Soil Science and Agricultural Chemistry, ICAR-II3PR, Bengaluru is extending the soil, plant/leaf, irrigation water, manure/compost analysis facility to the farming community and company/firm. The main objective of the activity is to receive samples from individual farmers and company/firm and to analyze the samples for their nutritional status. Based on which the nutrient application through fertilizers and manures to meet the crop specific needs are recommended for better soil health management and enhancing economic return to farmers / clients.

Benefits

- · Test
- Practical training
- · Certificate
- · One Month
- · Conceptual discussion

For B.Sc. III Chemistry Students

Head
Department of Chemistry
Shri. R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



Mc. Principal,
Shri R. K. Patil Arts, Commerce Science College.
Sankh, Tal. Juth, Dist. Sangti 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Ref.No.

Date: 20/12/2021

To, The Principal, Shri. R.K.P. Art, Commerce and Science College, Sankh. Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Soil and Water Analysis.

Respected sir,

With the reference to above subject, our Chemistry department is going to conduct certificate course in Certificate Course of Soil and Water Analysis for B.Sc. Students in this year academic year (2021-22). So, I request you to give us permission to conduct above said course.

Thanking you,

Department of Chemistry, Shri RK Patil ACS College Sankh,

Tal- Sankh, Dist-Sangli

Head

Department of Chemistry Shri, R. K. Patil Arts, Commerce & Science Cellege, Sankh Tal. Jath, Dist. Sangli

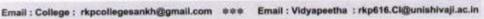


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Graduate Department of Chemistry

CERTIFICATE COURSE Soil & Water Analysis

Meeting Notice

The meeting of the members of BOS in certificate course in Soil and Water Analysis is conveyed on 21st Dec 2021 for the preparation of syllabus.

Sr. No	Name	Position	Signature	
1	Dr.Dalawai S.P	Chairman	Plan	
2	Mr.Haladaki A.S	Co-ordinator	(Heladdici	
3	Mr.Naik V.H	Member	Janel	
4	Mr.Mali P.G	Member	Gurus	
5	Mr.Biradar R.B	Member	02	
6	Miss.Wagholi.D.V	Member	- League	

2018 Fal-Jath

HOD

Head
Department of Chemistry
Shri. R. K. Parll Arts. Commerce
& Science College, Sankh
Fal. Joth, Dist. Sangil

Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sanuli 416 412

Department of CHEMISTRY

CERTIFICATE COURSE in Soil and Water Analysis

Academic Year -2021-22

Minutes of Meeting

The meeting of the members of BOS in certificate course in Soil and Water Analysis is held on 22 December 2020 for the preparation of Course syllabus. The following members of present and prepared the syllabus of the above course and submitted to Co-coordinator, Shri R K Patil ACS college Sankh.

Sr. No	Name	Position	Signature	
1	I/c Prin.K.S.Biradar	Chairman -		
2	Mr.Haladaki A.S	Co-ordinator	(Waston)	
3	Mr.Naik V.M	Member	Caunas'	
4	Mr. Mali P.G	Member	THEAD	
5	Mr.Biradar R.B	Member	2010	

HOD

Head Department of Chemistry Shri, R. K. Patil Arts, Commerce

& Science College, Sankh Tal. Jath, Dist. Sangli

Principal

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College,

Sankh, Tal. Jath, Dist. Sangli 416 412

Date: - 24/12/2020

Notice

All of the students of B.Sc are here by informed that, Department of Chemistry going to organized by certificate course in Soil and Water Analysis has been scheduled from 25/12/2022 to 25/02/2022 Kindly, remain present at prescribed time in lecture hall.

Course Co-ordinator

HOD

Head Department of Chemistry B. K. Parli Ads. Commerce Science College, Smith Jai, Jath, Olst, Sangil

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Certificate Course (Soil & Water Analysis)

TIME TABLE 2021-2022

Class	Time	Saturday (25/12/2021) To (25/01/2022)	Monday (27/12/2021) To	
Theory	01:00pm TO 02:00pm	(A.S Haladaki)	(27/01/2022) (Haladaki A.S)	
Practical	02.30pm To 03.30pm	(Wagholi D.V)	(Wagholi D.V)	



Head epartment of Chemistry R. K. Patil Arts, Commerce Science College, Sankh Tal. Jath, Dist. Sangli

Soil & Water Analysis Syllabus

Introduction:

Soil so essential to life on earth is one of the most complicated of materials. ¹⁻² A complex mixture of inorganic and organic solids, liquids, and gases, soil presents a challenging material for analysis, ³⁻⁵ especially for researchers who are not specialists in soil chemistry. This clear, broadly applicable reference provides chemists and environmental scientists with the background they need to analyze soil, interpret their findings, and develop new analytical methods for soil. Introduction to soil chemistry will also be valuable to the soil scientist confronting soil analyses. Analysis and instrumentation investigates the most important soil characteristics that impact analysis and the procedures, chemicals, and equipment used to determine the composition and quantity of soil constituents. ⁶⁻¹² It also discusses factors that interfere with accurate soil analysis.

Soil Sample Preparation:

Ideally, a soil should be tested without disturbing or altering it chemically or mechanically in the process of sample preparation. This would require testing in situ, which is not technically feasible today. For the convenience of handling and to provide a homogenous mix for subsampling, soil samples are usually dried and pulverized. Subsamples of the dry, pulverized soils are either weighed or measured by volume. Galvanized containers, cast iron mortars, rubber stoppers, brass screens and a variety of other tools can contribute to contamination with iron, zinc and other micronutrients, and should not be used.

Sample handling before analysis can affect soil test results. It has been shown 13, 23, 26 that drying can result in increased release of exchangeable potassium (K) in many soils and in fixation in others. The fixation tends to occur in recently fertilized soils at higher test levels. The extent of reversion on rewetting varies among soils and is seldom, if ever, complete. Increased temperature can also increase the exchangeable K levels. 16 Dowdy and Hutcheson 17 found that elite was the source of K release on drying and that fixation could be attributed to vermiculite ormontmorillonite. Early studies in Iowa 21 showed that the results



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results from air-dried soils. Higher correlations with field-moist samples were also found in there gional K studies in the late 1950s and early 1960s. ^{14,20,21}The K release on drying and the reversion on rewetting can be controlled with organic additives²⁴, but this procedure has not been evaluated in practical soil testing.

Drying and method of drying may also affect the results of the tests for mineralizable nitrogen ²², phosphorus ²⁴, sulfur ^{15, 23,28}, zinc ¹⁹ and perhaps other micronstrients, but the correlations between the test results and the uptake of nutrients by plants have not been shown to be significantly affected by drying.

Primarily because of the effect of drying on potassium results, a method of testing undried soil samples was developed and put into use in the Iowa State University Soil Testing Laboratory until 1990. Because of the difficulties of analyzing moist sample sand because most correlation and calibration studies have been done on air-dried soils, the undried soil analysis method has not been adopted widely. The traditional method of preparing dry samples is presented here.

Recommended Procedure for:

Handling Dry Soil Samples:

Traditionally, most soil analysts have considered dry soil as the convenient state from which to start chemical tests. Because soil samples are received in a wide range of physical conditions, a common denominator in preparation is required to all evicted these problems and expedite processing.

Drying:

Moist, well-mixed samples may be transferred to paper bags, cardboard boxes or aluminum trays of convenient size. The open sample container is then placed in a drying rack or cabinet equipped with exhaust fans to expedite air movement and moisture loss. If heat is necessary, the temperature of the cabinet should not exceed 40°C (104°F). This is especially critical for potassium analysis, which can be significantly influenced by drying temperatures. If nitrate analyses are involved, the soil should be dried or frozen within 12 hours of sampling. Such sample scan is dried by spreading them out on a clean paper or cloth and blow drying them with a fan.



soils and for their adaption to use for a large volume of soils. Changes will be made in these procedures from time to time as new method sand techniques are developed.

It is not the purpose of this bulletin neither to describe the various methods listed nor to compare them with any other methods in use. There are several books 31-35 and periodicals which devote many pages to the description of procedures involved in testing soils. Where applicable a reference is given to the originator of a particular method.

1. pH:

pH indicates the acidity or alkalinity of soil. A pHof 7 is neutral. Values less than 7 are acidic and values greater than 7 are alkaline. Utah soils tend tobe moderately alkaline (pH range 7.5 to 8.5). Most plants grow well in soils with pH values between 6.0 and 8.0. Trace element (e.g., iron) deficiencies can occur in soils with pH values greater than 8.0 and with some sensitive plants (e.g., berries, grapes, silver maple, pin oak) in soils with pH values greater than 7.5.

Procedure:

- Weigh 10 grams of soil into a 50 ml beaker or No. 250 C.R. soufflé cup. Add 10 ml of distilled water, Stir thoroughly.
- Let stand for at least 30 minutes, stirring two or three times.
- Read with a pH meter using a glass electrode.

2. Phosphorus (P)- Sodium bicarbonate method:

The phosphorus soil test result is in units of parts per million (or ppm), which is equivalent to pounds of available phosphorus per million pounds of soil. The soil test value is a measure of the amount of phosphorus available to plants during the growing season. A very low or low phosphorus test value indicates that additional phosphorus must be applied to prevent a deficiency. An adequate to high soiltest value indicates that sufficient phosphorus is available to grow the plants you identified. Very high amounts of phosphorus indicate excessive fertilizer or manure application, and may lead to nutrient imbalances in plants, or negative environmental impacts to nearby water sources.

Procedure:

 Weigh out 2.5 grams of soil into a 50 ml shaking bottle and add 25 ml extractant. Shake for 30 minutes.



- If resulting soil solution is colored, decolorize with Darco G-60.Use about 4 teaspoon for each 25 ml extract, or more if necessary.
- 5. Filter through Whatman No. 5 filter paper. The Darco G-60 may be added to the soil prior to shaking. (The Darco G-60 should be testedfor phosphorus and if it contains enough to color the solution, it should be washed with sodium bicarbonete before using.)Place 5 ml of the filtrate in a 25 ml volumetric flask. This can bedone with an automatic pipette.
- 4. With an automatice pipette add 5 ml of ammonium molybdate solution to each flask and shake well. Remove all traces of the molybdate solution from the neck of the flask by washing down with distilled water until approximately 10 ml has been added.
- Add 1.0 ml of the dilute stannous chloride solution, mix well immediately, and make up to volume with distilled water and again shake thoroughly.
- Read color intensity in the colorimeter using a 560 mu filter, ten minutes after addition of the stannous chloride solution. Determine amount of phosphorus from curve prepared by running a series of standards.

3. Potassium (K), Calcium (Ca), Magnesium(Mg) - Flame Photometer method:

The potassium soil test value is a measure of the amount of potassium available to plants during the growing season. A very low or low potassium test value indicates that additional potassium must be applied to prevent a deficiency. An adequate or higher soil test value indicates that sufficient potassium will be available for growing the plants you identified. There are no known negative impacts to plants for potassium levels testing high or very high.

Procedure:

- Weigh or measure 2 grams of soil into a 50 ml shaking bottle, add 20 ml of the ammonium acetate extractant, and shake for 30 minutes.
- 2. Filter through Whatman No. 5 filter paper.
- 3. Determine with the flame photometer using the following wave lengths:
 - a. Magnesium 383 mu (285.2 mu if possible)
 - b. Calclum 554 mu
 - c. Sodium 580 mu
 - d. Potassium 768 mu
- 4. Prepare a curve for each element by running a series of standards.



4. Organic matter- - Walkley-Black method:

Organic matter provides nutrients such as nitrogen and sulfur for plant growth while improving solitilth (physical condition). Generally, higher levelsof organic matter are desirable. Soil organic matter content also influences the effectiveness and application rate of certain herbicides. Follow the instructions on your herbicide label or contact yourlocal county Extension agent for assistance.

Procedure:

- I. Pass soil through a a % rum sieve and weigh out 0.5 grams soil into α 500 ml Erlenmoyer flask.
- Add 10 ml potassium dichromate and 20 ml concentrated H₂SO₄. Mix rapidly and thoroughly for 1 minute. Let stand for at leat 20 minutes or until cool.
- 3. Dilute to 150 ml with water and add 10 ml concentrated $\rm H_3PO_4$.
- Titrate with 0.4 N ferrous-ammonium-sulfates. Use 6 drops 0-phenanthrolline indicator.
- 5. Run a blank simultaneously using same procedure.

Calculation:

O.M. % = ml Fe (NH4)2(SO4) used (Blank - Sample titration) x N/0.4 x 0.545

Total Nitrogen- = Kjeldahi method:

Procedure:

- 1. Weigh out 10 grams of soil and place in an 800 ml Kjeldahl flask.
- Add 1 teaspoonful (10 grams) of catalyst and 30 ml concentrated H-SO₆.
- Digest until clear (20 to 30 minutes) + one-half clearing time (10 to 15 minutes.) Cool.
- Meanwhile place a 500 ml Erlenmeyer flask containing 50 ml boric acid solution and 4 drops of indicator under the condenser. Be sure the condenser tube is below the liquid surface.
- Add 400 ml distilled water, one boiling stone and a small piece of mossy zinc to the Kjeldahl flask.
- Pour in slowly and carefully down the side of the flask 60 ml of concentrated NaOH.
 Do not mix at this point.



- Connect to condenser; then gently rotate solution until the material is thoroughly mixed.
- Turn on distillation unit burners and distill over approximately 100 ml. Turn off burners and immediately lower the Erlenmeyer flasks.
- 10. Titrate NH with 0.1000 N H2SO4 using the mixed indicator.
- 11. Run a blank whenever there is a change in reagents or at least once a day.

Calculation:

mi H2SO4 used (Sample titration - Blank Titration) x N x 0.014 x 100 weight of material (grams)

5. Nitrate - Nitrogen (N):

The most limiting plant nutrient in the soil system. Itis required for optimal growth and function for all living things, and hence is in very high demand in terrestrial systems. Annual additions of nitrogen are generally required for optimum growth and performance of any plant and so recommendations are based on annual plant needs rather than soil test levels. For this reason, nitrogen analysis is not included in the routine soil analysis package available through the lab. However, in many instances, especially where large, repeated applications of compost or manure are added to soils, nitrogen dynamics and management can becomplex and knowledge of the soil test level is imperative to prevent over application, or less of nitrogen from the system.If requested, the amount of plant-available nitrogenis indicated by the nitrate-nitrogen value in the upper 2 or more feet of soil, normally the sum of 0 to 12 inch and 12 to 24 inch sample depths. The upper 2 feet of soil are used because nitrate-N is mobile and will move through soil with irrigation water or minfall. Nitrogen recommendations depend on the nitrate-nitrogen soil test value, the crop to begrown or landscape setting (e.g., lawn or garden), yield, and site history (last crop grown, residue removal, and previous applications of nitrogen and/or manure). If a nitrate-nitrogen test was not requested, nitrogen recommendations will be based on the annual need of the crop to be grown, yield, and site

Procedure:

 Shake 10 grams of soil with 50 mi of distilled water for 10 minutes. Add 0.2 gram Cu(OH) 2 powder and shake for an additional 5 minutes.



- 2. Filter and wash with an additional amount of water.
- Transfer 5 ml of the filtrate to a 5-ml beaker. Add 1 ml Ca(OH)₂ solution and evaporate to dryness on a warm hot plate. Cool,Ca(OH)₂
- Add 1 ml of phenol disuifonic acid and rotate the beaker so that the acid comes in contact with the entire residue.
- 5. Add 14 ml of distilled water and 5 ml of 1:1 ammonium hydroxide solution.
- Transfer the solution to a colorimeter tube and read in a colorimeter at 420 mu.
 Determine the amount of nitrate from curve prepared by running a series of standard solutions.





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Graduate Department of Chemistry "CERTIFICATE COURSE IN SOIL AND WATER ANALYSIS

Academic Year -2021-22 REGISTRATION

Sr.No.	Student Name
1	PATIL AISHWARYA RAVSAB
2	PATIL MAHESH REVANSHIDHA
3	NAVI MAMATA DASHARATH
4	THOMBARE VASANT SHAMRAO
5	CHOUGULE AKSHAY MAHADEV
6	SHAIKH AJAN VAJIR
7	SANADI ROHIT RAJENDRA
8	KHOT MUKTA SHIVAJI
9	KARAPE DHULADEV TUKARAM
10	BIRADAR POOJA HANAMANT
11	DESAI RANI AVADUT
12	KORE SIDDHANING MAHADEV
13	KALLI VIKAS RAJENDRA
14	VAGOLI SAKSHI RAMAGONDA
15	AIHOLE ROHINI RAVASAHEB
16	BIRADAR SHRUTI APPASAHEB
17	MULLA MINAJ IMAM
18	NATIKAR PALLAVI SURESH
19	DALWAI TANUJA ANNAPPA
20	NIKAM JAYAVANT RAMACHANDRA

21	DASHAL ARUN VIDYANAND	
22	MALI HANAMANT MAHADEV	
23	DARGUDE SUNIL BIRA	
24	SHIROL RAHUL BABASAHEB	
25	SHIROL VISHAL CHANDRAKANT	
26	KHOT KOMAL NAMDEO	
27	NATIKAR SUPRITA RAMAPPA	
28	TAMBE PUTALAPPA PARAMESHWAR	
29	REBAGOND MALLESH BASAGOND	
30	KADAM PRANAV DILIP	
31	UDAGERI CHANDRASHEKHAR MALLIKARJUN	
32	KODAG LAKHAN MADHU	
33	JADHAV AMOL DATTARAM	
34	INDI RAVIKANT RAJENDRA	
35	KAMBLE ROOPALI SOPAN	
36	NILE AMOL PRAKASH	
37	SALUNKHE SIDDHESHWAR MAHADEV	
38	VHANWADE SATISH BASU	
39	SARAGAR RAJAT BABAN	
40	SAWANT AMOL DADASO	
41.	KUMBAR RAGHAVENDRA RAJENDRA	
42	DINDUR SHIVAKUMAR SHARANAPPA	
43	HIREMATH PUSHPA RADDAYYA	
44	BIRADAR BHAGYASHRI RAMAGONDA	
45	KHOT TUKARAM AVADUT	
46	MOTE SURESH RAJU	
47	PATIL PRAVIN TAYAPPA	
48	MUDAGOUDAR AKSHAYKUMAR SHANKARGOUD	
49	PUJARI KAVITA KALLAPPA	
50	ARALI ROHINI SHRISHAIL	
51	KOLI MALLIKARJUN RAMANNA	

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52	BHUSNUR SUNIL LAHAYAPPA	
53	SONAVANE AKSHATA BHMASHANKAR	
54	MOTE SAGAR MHALAPPA	
55	BIRADAR ANJALI SANGANNA	
56	CHAVAN SARASWATI NARAYAN	
57	PANDHARE MARAGU BHAGAVAN	
58	SOLANKAR SATISH SHRIMANT	
59	MALI MAHANTESH DARYAPPA	
60	BIRADAR RAKSHITA RAMAGOND	
61	SANYAR HARSHAD MAHADEV	
62	UMARANI RIZAWANA MIRASAB	
63	CHAVAN DHARMARAJ GANGARAM	
64	GHAGARE YALLALING PANDURANG	
65	KHOT AKSHATA PANDURANG	
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69	PUJARI SHIVALILA MALLIKARJUN	
70	BHOSALE MANASI APPASO	
71	HIREMATH RENUKADEVI SANGAMESH	
72	DUMANI KASHINATH IRANNA	
73	KUMBHAR VIJAY DHARMANNA	
74	NADAF AKBAR MOULA	
75	SAWANT SANKET VITTHAL	
76	POTADAR SHRUTI ASHOK	
77	SWAMI SHIVARAJ RAMESH	
78	BARAKADE RANI MARUTI	



Head
Department of Chemistry
Shri. R. K. Patil Arts: Seminerce
& Science College: Sankh
Tal. Jath, Dieh Stingli

Question Paper (Soil and Water Analysis)

- 1) Which one is the major technique of soil conservation?
 - a) Control on cattle grazing
 - b) Crop rotation
 - c) Use of chemical fertilizers
 - d) Strip cropping
- 2) Soil washed away by running water is called
 - a) Regolith
 - b) Soil profile
 - c) Eliviation
 - d) Illuviation
- is the most common used amendment for sodic soil reclamation primarily because
 of low cost and easy availability.
 - a) Concrete
 - b) Sand
 - c) Bitumen
 - d) Gypsum
- 4) Which of the following is the first stage of water erosion?
 - a) Rill erosion
 - b) Sheet eroxion
 - c) Splash erosion
 - d) Gully erosion
- 5) Red soil results from the weathered material material of---
- a) Igneous rock
- b)Sedimentary rock
- c)Metamorphic rock
- d)All of these
- 6) Which among the following is not a nitrogenous fertilizer?
 - a) Ammonium Sulphate
 - b) Calcium Cyanamide
 - c) Superphosphate of Lime





- 7) Which of the following is not a measure for soil conservation?

 - s) Strip cropping
 Terace cultivation
 - c) Shelter belts
 - d) Overdrawing of ground water
- B) Soil erosion is caused due to
 - a) Rapid urbanization
 - b) Cutting of trees
 - c) Over grazing by animals
 - d) All of above factors
- 9) What is a common feature between Rhizobium and Azospirllum?
 - a) Both are nitrogen fixing fungi
 - b) Both are nitrogen fixing bucteria.
 - c) Both are harmful for plants
 - d) Both are parasites
- 10) Which of the following soil conversation methods is generally implanted in the coastal and dry regions?
 - a) Contour sloughing
 - b) Terrace farming
 - c) Mulching
 - d) Shelter helts



Model Answer Paper (Soil and Water Analysis)

- 1) Which one is the major technique of soil conservation?
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- c) Metamorphic rock
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- c)Superphosphate of Lime
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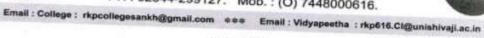




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Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal. Jath, Dist. Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.





RESULT ANALYSIS

Sr.No	Student Name	Marks	Grade		
1	PATIL AISHWARYA RAVSAB	16	B+		
2	PATIL MAHESH REVANSHIDHA	18	A		
3	NAVI MAMATA DASHARATH	16	B+		
4	THOMBARE VASANT SHAMRAO	20	A+		
5	CHOUGULE AKSHAY MAHADEV	18	A		
6	SHAIKH AJAN VAJIR	18	A		
7	SANADI ROHIT RAJENDRA	20	A+		
8	KHOT MUKTA SHIVAJI	16	B+		
9	KARAPE DHULADEV TUKARAM	16	B+		
10	BIRADAR POOJA HANAMANT	16	B+		
11	DESAI RANI AVADUT	16	B+		
2	KORE SIDDHANING MAHADEV	16	B+		
3	KALLI VIKAS RAJENDRA	16	B+		
4	VAGOLI SAKSHI RAMAGONDA	. 18	A		
5	AIHOLE ROHINI RAVASAHEB	18	A		
6	BIRADAR SHRUTI APPASAHEB	18	A		
7	MULLA MINAJ IMAM	16	B+		
3	NATIKAR PALLAVI SURESH	18	A		

19	DALWAI TANUJA ANNAPPA	18	A
20	NIKAM JAYAVANT RAMACHANDRA	18	A
21	DASHAL ARUN VIDYANAND	16	B+
22	MALI HANAMANT MAHADEV	16	B+
23	DARGUDE SUNIL BIRA	18	A
24	SHIROL RAHUL BABASAHEB	16	B+
25	SHIROL VISHAL CHANDRAKANT	16	B+
26	KHOT KOMAL NAMDEO	16	B+
27	NATIKAR SUPRITA RAMAPPA	20	A+
28	TAMBE PUTALAPPA PARAMESHWAR	18	A
29	REBAGOND MALLESH BASAGOND	20	A+
30	KADAM PRANAV DILIP	16	B+
31	UDAGERI CHANDRASHEKHAR MALLIKARJUN	18	A
32	KODAG LAKHAN MADHU	16	B+
33	JADHAV AMOL DATTARAM	16	B+
34	INDI RAVIKANT RAJENDRA	16	B+
35	KAMBLE ROOPALI SOPAN	20	A+
36	NILE AMOL PRAKASH	16	B+
37	SALUNKHE SIDDHESHWAR MAHADEV	18	A
38	VHANWADE SATISH BASU	18	A
39	SARAGAR RAJAT BABAN	18	A
40	SAWANT AMOL DADASO	18	A
41	KUMBAR RAGHAVENDRA RAJENDRA	16	B+

42							
42	DINDUR SHIVAKUMAR SHARANAPPA	16	B+				
43	HIREMATH PUSHPA RADDAYYA	18	A				
44	BIRADAR BHAGYASHRI RAMAGONDA	IRI RAMAGONDA 16					
45	KHOT TUKARAM AVADUT	16	B+				
46	MOTE SURESH RAJU	18	A				
47	PATIL PRAVIN TAYAPPA	16	B+				
48	MUDAGOUDAR AKSHAYKUMAR SHANKARGOUD	16	B+				
49	PUJARI KAVITA KALLAPPA	18					
50	ARALI ROHINI SHRISHAIL	16	A				
51	KOLI MALLIKARJUN RAMANNA	16	B+				
52	BHUSNUR SUNIL LAHAYAPPA	16	B+				
53	SONA VANE AKSHATA BHMASHANKAR						
54	MOTE SAGAR MHALAPPA		A				
55	BIRADAR ANJALI SANGANNA	16	B+				
56	CHAVAN SARASWATI NARAYAN	16	B+				
57	PANDHARE MARAGU BHAGAVAN	18	A				
58		16	B+				
58	SOLANKAR SATISH SHRIMANT	18	A				
59	MALI MAHANTESH DARYAPPA	20	A+				
60	BIRADAR RAKSHITA RAMAGOND	20	A+				
51	SANYAR HARSHAD MAHADEV	18	A				
52	UMARANI RIZAWANA MIRASAB	18	A				
3	CHAVAN DHARMARAJ GANGARAM	16	B+				
4	GHAGARE YALLALING PANDURANG	16	B+				

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65	KHOT AKSHATA PANDURANG	16	B+
66	MALI PARSHURAM TAMMANNA	18	A
67	KENGAR RAJESHRI BHAGAVAN	16	B+
68	KOTYAL MAHESH GURUBASAPPA	18	A
69	PUJARI SHIVALILA MALLIKARJUN	16	B+
70	BHOSALE MANASI APPASO	18	A
71	HIREMATH RENUKADEVI SANGAMESH	18	A
72	DUMANI KASHINATH IRANNA	16	B+
73	KUMBHAR VIJAY DHARMANNA	14	В
74	NADAF AKBAR MOULA	16	B+
75	SAWANT SANKET VITTHAL	18	A
76	POTADAR SHRUTI ASHOK	18	A
77	SWAMI SHIVARAJ RAMESH	16	B+
78	BARAKADE RANI MARUTI	18	A

Course Coordinator



Department of Chemistry

Soil & Water Analysis Report (2021-2022)

It has been noted that, the Soil recommendations contain important factors including fertilizer form, source, application timing, and placement and irrigation management. The optimum fertilizer amount is determined from laboratory experiments conducted on various parameters like primary element and secondary elements, and micronutrient analysis. The goal of Soil & Water analysis research on Soil is to determine the amount of fertilizer needed to achieve commercial crop yield. Generally, available nitrogen, Phosphorous and potassium can be estimated in chemical laboratory with Conductometer and PH meter, Some software's are developed in order to feed the calculated readings. The common simple parameters like PH and E.C. are very much applicable in deciding micronutrient availability to the crops. Thus, if P H is below than 7, soil can be made alkaline by adding time till P H becomes neutral. On the other side if P H is more than 7 soil can be made acidic by adding Gypsum till P H becomes neutral. The determination of E.C. ensures total amount of Salts present in the soil and proper recommendation is made accordingly. The E.C. should be less than 1 for better crop yield. Overall, more than 65 students of B.Sc. III Students worked for the samples from nearby Koregoan Tehsil. Students have been participated in the said course with actual demonstration and hands on training with proper guidance. After completion of the Course, certificates are conferred individually at the end of

Estd. 2013
Tal. Jath
Dist. Sand
PKP616

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Head
Department of Chemistry
Shri. R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli

Shri Shivalingeshwar Shikshan Sanstha's Sankh
Shri.R.K.Patil Arts, Commerce and Science College, Sankh.
Tal.Jath, Dist.Sangli. 416 412. College Code: 616

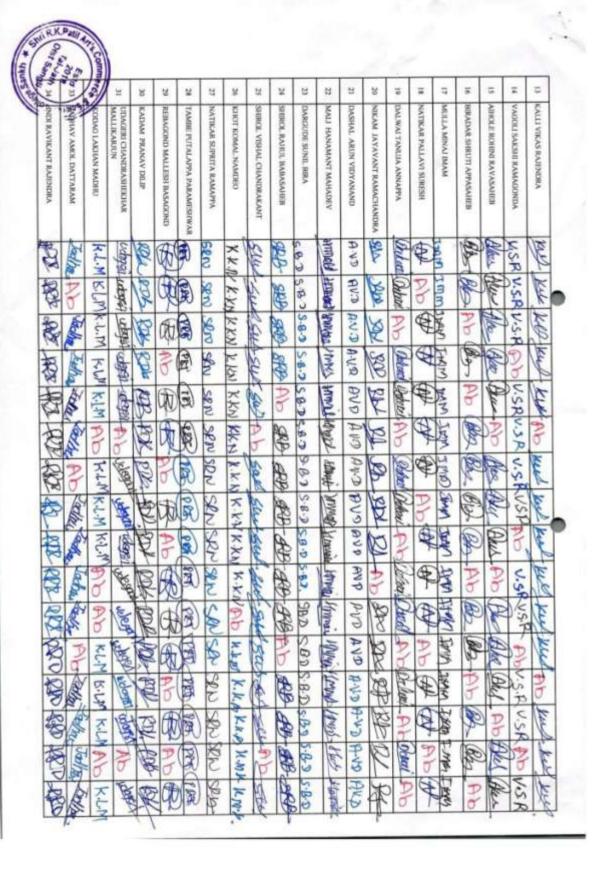
Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

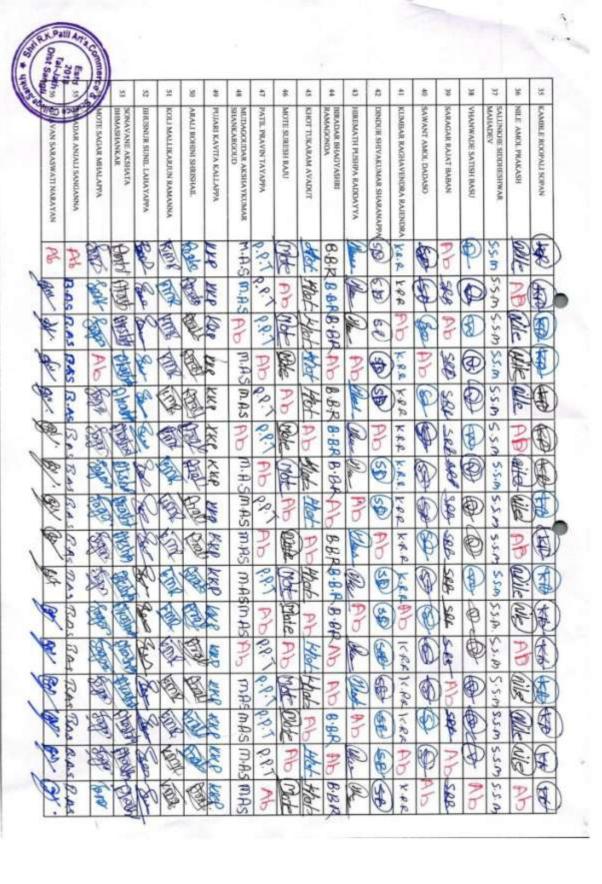
Sankh.

Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Department Of Chemistry
Certificate Course of "Soil & Water Analysis"
Academic Year – 2021-2022
Attendance Sheet

Sr.No	Name Of Student	-	7	3	5	h	Y	4	00	9	2	Ξ	12	3.	74	75	10
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*	SHAIKH AJAN VAJIR	ALS	Pus	100	945	43	BES	94	Aug	Pass	Ars	M	A AUS	8.40	8	1	RE
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Tal. Jath, Dist. Sanski

SHRI SHIVALINGESHWAR SHIKSHAN SANSTHA'S SANKH

SHRI R.K. PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL – JATH DIST- SANGIL. (Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF CHEMISTRY





CERTIFICATE

completed the "Career Oriented Programme in Soil and Water Analysis" at ... graduate Department of Chemistry in __B+_ in the academic year 2021 - 2022 This is to Certify that Mr. 1Ms. Desai Roni Avadut Class: BSc. Subject: Chemishysuccessfully

Prof.Haladaki A.S Course Coordinator

I/C Principal Dr.Dalawai S.P

B 00000

Sani R. K. Patil Arts, Commerce Science College, Sanish, Tat. Jath, Dist. Sangil 416 412

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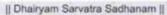
Add-on Certificate Course On

Sericulture



Organised by
Department of Zoology
Course incharge
Mr.Mali.G.S

Course duration-1 Dec.2018 -5 Jan2019





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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INDEX

Add-on certificate course on sericulture

Year:2018-2019

Sr.no.	Content
1.	Permission Letter
2.	Notice
3.	Syllabus
4.	Objectives and Learning Objectives
5.	Time table
6.	List of participants
7.	Attendance
8.	Question Paper
9.	Certificate





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Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Ref.No.

Date:23/11/2018

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Certificate

Course of Sericulture

Respected sir,

With the reference to above subject, our Botany department is going to conduct certificate course in Certificate Course of **Sericulture** for B. Sc. Students in this year academic year (2018-19). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Department of Zoology, Shri RK Patil ACS College Sankh,

Tal- Sankh, Dist-Sangli

Head
Department of Zoology
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Science Cologe Sankin
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Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Notice

Date-25-11-2018

All students of B.sc I are here by informed that Department has organised "Add-on Certificate Course on Sericulture" from 28-11-2018 .All students are informed that they should remain present for course on time. It may clearly noted that will be collected from absent students.

Head
Department of Zoology
Shri R. K. Imerce
& Science College, Jankh
Tal. Jath, Dist. Sangli





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Title- Add-on Certificate Course on Sericulture. Total Hrs.30

Theory

- Life cycle of Bombyx mori-Morphology of egg,larva,pupa, and adult of Bombyx mori.
- · Morphology and Anatomical structure of Silk gland.
- Rearing house:Location, orientation, plan and utilities; model rearing house:low-cost rearing house.
- Chawki rearing:Preparation; brushing and its mathods;types of chawki rearing traditional and improved method;optimum environmental conditions; methods and frequency of feeding,methods of bed cleaning spacing;moulting and care during moult.
- Late age silkworm rearing: Methods; optimum environmental condition; methods and frequency of feeding; methods of bed cleaning; Spacing; moulting care during moult.
- Brushing: Methods; chwki rearing; use of paraffin paper and blue polytene sheet. Bed cleaning; use of bed cleaning net and disposal of bed refuses and silkworm litter.
- Moulting: Identification of moultinglarva, care during moulting:moulting density; harvesting of cocoons; assessmentof cocoons types of mountages; Maintanance of records for silkworm rearing.
- Introduction; Classification of silkworm disease.

Practicals

- · Study of life cycle of Silkworm
- · Choking of silkworm



Department of Zoology

Year:2018-19

Add-on Certificate Course

On

Sericulture

Objectives:

- On completing the Sericulture course, students will be able tounderstand overall aspects of Sericulture, namely, Mulberry and non-mulberry silkworms and their food plants, Rearing of the silkworm pathology. Process of silkworm seed production and silk technology.
- This course creates awareness among about the economic importance and suitability of sericulture in Indian conditions.
- Students will get hands on training on Mulberry nursery management, Silkworm rearing, and Silk reeling.
- · Employing self employment and enterpreneurship among youths.

Learning Outcomes:

- Understand concepts of sericulture industry and demostrate interdiscilinary skills aquired in mulberry plant cultivation, silkworm rearing, diagnosis of diseases and pest of mulberry and silkworm and their prevention and its Seri-farmers livelihood.
- Demostration the Laboratory and field skills in mulberry cultivation and silkworm rearing with emphasis on technological aspects..
- Competent to transfer the knowledge and technical skills to the Serifarmers.
- Critically analyse the environmental issues and applyin management ofmulberry garden and silkworm rearing at field.

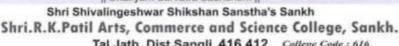
Incharge Certificate Course



Department of Zoology

Head
Department of Zeology
Shri R. K. nerce
& Science onkh
Tal. Jath, Dist. Sangli





Tal.Jath, Dist.Sangli. 416 412. College Code: 616 9/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.



Department of Zoology

Year: 2018-19

Add-on Certificate Course

On

Sericulture

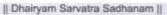
Time Table-2018-19

Theory and Practical

Time	Mon	Tues	Wed	Thurs	Fri	Sat
1.30-2.15 Theory	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S
2.30-4.30 Practical	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S	Mr.Mali.G.S









Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

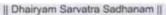
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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Add-on Certificate Course On Sericulture

Sr. no.	Name of the students
1.	BAGALI MAHESH TAMMARAY
2.	HATTARAKI SACHIN MAHADEV
3.	JADHAV NIKHIL SANJAY
4.	CHAVAN VAISHAIL PANDURANG
5.	BIRAJADAR RAHUL SHRISHAIL
6.	DAPHALE AKSHAY SIDDHANA
7.	BIRADAR SOMANING SHILISIDDA
8.	SHINDE SANI AUDUMBAR
9.	INGOLE DEEPAK BAVUSAHEB
10.	HONAMORE DHANAMMA SHRIKANT
11.	KULAL KOMAL MARUTI
12.	KOTYAL VEENA ASHOK
13.	POOJARI PRIYANKA ARJUN
14.	KULAKARNI GAYATRI SUNIL
15.	UMARANI VIDYA BALASAHEB
16.	WAGOLI SUREKHA SIDDAPPA
17.	BIRADAR MADAGONDA OGEPPA
18.	DESAI PRAMOD GANAPATI
19.	BIRADAR AKSHATA RAJENDRA
20.	NIKAM ARCHANA RAMCHANDRA







Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Add-on Certificate Course On Sericulture

Department of Zoology

Year: 2018-19

Attendance sheet

Sr.	Name of the students	1 Dec	3 Dec	4 Dec	5 Dec	6 Dec	7 Dec	8 Dec	10 Dec	11 Dec
1	BAGALI MAHESH TAMMARAY	80	A	0	A	(Az	A	B	A	4
2	HATTARAKI SACHIN MAHADEV	Malaka	Madding	adjust .	Hadel	Mahada	CNEWBORN	melada	Sada	o duality
3	JADHAV NIKHIL SANJAY	Car.	Col	(and	0	6	6	Carl .	0	0
3	CHAVAN VAISHAIL PANDURANG	The stay	NO ONE	detall	are gir	white	diens!	meter	The state of	CONFESSION STATES
4	BIRAJADAR RAHUL SHRISHAIL	Delank	Beet	A Cal	Soth	Both	Bods	Rother	ded	of sund
5	DAPHALE AKSHAY SIDDHANA	D.A.S		p. p.5	Ab	D.A.5	D. 4.5	0.45	Ab	Ab
6	BIRADAR SOMANING SHILISIDDA	CS.B.	50	Bb	SEB	SSE	EB	SER	Bb	SEB
7	SHINDE SANI AUDUMBAR	WIT	SIL	Cart.	A.	596	SK	676	Sext	1213
8	INGOLE DEEPAK BAVUSAHEB	COS.	Ped	age.	OBS	262	96A	TARE	PES_	PAL
9	HONAMORE DHANAMMA SHRIKANT	KD X	304	300	Bp	BOR	N Par	39/2	90 R	909
10	KULAL KOMAL MARUTI	m Val	mod	allal	an Jol		Ab	ontfal	So You	Myal
11	KOTYAL VEENA ASHOK	Q	and	Quel	Col	(Del	Quel	Cont	Car	Cody
12	POOJARI PRIYANKA ARJUN	ARK	APA	xet	FAR	AND	APB	39×	BAR	RAB
13	KULAKARNI GAYATRI SUNIL	and	Sol	Sol	Sul	Sel	Soul	Syl	Sol	Seel



14	UMARANI VIDYA BALASAHEB	Ab	(BUTO)	(June	arren	116	@ mon	Ab	126	No
15	WAGOLI SUREKHA SIDDAPPA	Cy arking	Sunda	well's	A6	Smellia	SATER	Secretary	Ab	SUMAN
16	BIRADAR MADAGONDA OGEPPA	(am)	OM.	(B)	(Be)	BM.	Or.	(Bor)	Bon	A6
17	DESAI PRAMOD GANAPATI	Pesas	136	Beau	86	Chear	Bess	Ab	Bessi	Cossi,
18	BIRADAR AKSHATA RAJENDRA	G 200	80840	08/12	8. Eres	Calle	ayus.	090	0500	DEJE





Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

PH: 02344-299127. Mob.: (O) 7448000616.



Add-on Certificate Course On Sericulture

Department of Zoology Year: 2018-19, Attendance sheet

Sr.	Name of the students	12 Dec	13 Dec	14 Dec	17 Dec	18 Dec	19 Dec	20 Dec	21 Dec	22 Dec
1	BAGALI MAHESH TAMMARAY	B	6	6	do.	A	B	6.	6	¢.
2	HATTARAKI SACHIN MAHADEV	V. de sand	Halvadas	Valentis	Haludick	Harris	Val-Kark	Medicality	Under	Medde
3	JADHAV NIKHIL SANJAY	Con the	100	100	1	Carlo	100	Cont.	6	0
3	CHAVAN VAISHAIL PANDURANG	met.	and a state of	Weigh.	TI CEN	Market.	STATE .	and the	60 alah	M. Wille
4	BIRAJADAR RAHUL SHRISHAIL	Marian	She she	Western Co.	Broker	Survey Library	dritte.	Anta	New	8,00
5	DAPHALE AKSHAY SIDDHANA	200	O. Pres	D.V.S	DA.5	O. P.	0-4	D.A.S	91.5	Ab
6	BIRADAR SOMANING SHILISIDDA	8	988	98	Ab	88	28	DE	38	AS
7	SHINDE SANI AUDUMBAR	War.	ar.	福石	all.	FEET	Carla.	Coph.	STA'S	GOT.
8	INGOLE DEEPAK BAVUSAHEB	da	Oth	Dis.	Opt	PIS	OB!	QB2	Obs	@\$2
9	HONAMORE DHANAMMA SHRIKANT	NOW!	NOT YELL	18 P. S.	Als	Sex.	200	199	200	199
10	KULAL KOMAL MARUTI	200	Myod	KAGA	Mal	Ab_	KITCH	Mala	Killer	Ab
11	KOTYAL VEENA ASHOK	Age.	ass	and	6 But	Que	600	00	0	00
12	POOJARI PRIYANKA ARJUN	PRE	180	PER	SAL.	END	SA	ME	AND.	RAS
13	KULAKARNI GAYATRI SUNIL	earl.	- Jung	Ab	Sand	en	earl	Passo	- Sul	god
14	UMARANI VIDYA BALASAHEB (Jus	Chres	Bury	Ghas	(03")	Burga	A5 (drein	Dany
15	WAGOLI SUREKHA SIDDAPPA	Charle	and	284	Social	gross.	Strake	whole	guren	Smy
16	BIRADAR MADAGONDA OGEPPA(ODD	Sur	OR	Out.	Ab (april	Buch	Bary	Aury
17	DESAI PRAMOD GANAPATI	(Col	Bear	Good	Q1924	G.1999	G/Page	16	G Vaga	GRES
18	BIRADAR AKSHATA RAJENDRA	Wind Co	estrice.	O EN	10000	ONE !!	DEP"	(DE) 2	B-5489	grave





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Add-on Certificate Course On Sericulture

Department of Zoology

Year: 2018-19

Attendance sheet

Sr. no	Name of the students	24 Dec	26 Dec	27 Dec	28 Dec	29 Dec	31Dec	1Jan	2 Jan	3 Jan	4 Jan	5 Jan
1	BAGALI MAHESH TAMMARAY	100	A	b	14	de	q6	R.	0	6	B	B
2	HATTARAKI SACHIN MAHADEV	Hall	Haland	Meder	Wilse	Halaki	Ustable	Haland	Maderil	Made	Medde	Nadaria
3	JADHAV NIKHIL SANJAY /	Bereel	2128	deres	and a	A cells	(September 1	0.1060	20.50	0	J.B.	B
3	CHAVAN VAISHAIL PANDURANG	STUDY.	in the	United	account.	THE STATE OF	Oraco Spara	Mark Mark	Died State	Charles.	meth	Challe
4	BIRAJADAR RAHUL SHRISHAIL	Approx.	destan	Spiles	10	Madel	Sparal	MAN	Ser.	States	Shiller	300
5	DAPHALE AKSHAY SIDDHANA	0.10	0.6	020	O. K.C	0.0.5	DAS	DAS	gr.	Ab	940	As
6	BIRADAR SOMANING SHILISIDDA	35	682	3	38	28	980	380	020	:38	28	WAR.
7	SHINDE SANI AUDUMBAR	See S	EST?	ST.	E.	att	Selfe	GT.	12	COL.	68	REK.
8	INGOLE DEEPAK BAVUSAHEB	PBL	PBI	OBE	PEI	034	Out	DIL	OB!	\$2152	PA	DES
9	HONAMORE DHANAMMA SHRIKANT	200	Pay !	4	200	Ab	29	Ab	150	WOS	39°	ND:
10	KULAL KOMAL MARUTI	MASS	100	VV9	100	ATTO	Ab	AND	KIJO	Alba	Kye	Ma
11	KOTYAL VEENA ASHOK	Out	Que	Gur .	Carl	Out	ON .	Coget	age	Out.	Con	0
12	POOJARI	440	N. S.S.	264	ART	不	ARE:	464	APE	APR	400	1992



	PRIYANKA ARJUN											
13	KULAKARNI GAYATRI SUNIL	co	54	Sol	Ab	Sent	8	ليوي	Ab	Sal	لع	الهج
14	UMARANI VIDYA BALASAHEB	DAP	Dur	Ab.	CAU.	Oth	Ab	Ogd	DA	Just	00	De
15	WAGOLI SUREKHA SIDDAPPA	mag.	well	Deal !	Company of	Qu'	(B)	ar	Ca	WE	we	a
16	BIRADAR MADAGONDA OGEPPA	Born	De la	Bur	Bur	0300	BOD (130	Ber	30	Box	Bar
17	DESAI PRAMOD GANAPATI	Deep	042	ph	OK	OF.	Dr.	ph	Par	82	06	R
18	BIRADAR AKSHATA RAJENDRA	ON2	BID	Ber (BU	BOLE	Das	(A)2	Bes	Ou-	BAD	Q.



Dhairyam Sarvatra Sadhanam

Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh

Department of Zoology

Question Paper

Add-on Certificate Course On Sericulture.

Marks:30

Instructions

- 1.All the questions are compulsory.
- 2. Questions to the right indicate full marks.
- Draw neat and labelled diagrams wherever necessary.

Q.1 .Long questions.[any2]

20

- a.Describe in details life cycle of Bombyx mori.
- b.Explain in brief Silkworm fungal diseases.
- c.Explain Chouki rearing

Q.2.Write short notes on following[any2]

10

- a.Silkworm
- b. Types of moutages
- c.Moulting in silkworm



Head
Department of Zoology
Shri R. K. Patil Arts, Co.nmerce
& Science College, Sankh
Tal. Jath, Dist, Sangli

SHIVALINGESHWAR SHIKSHAN SANSTHA

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL - JATH DIST- SANGLI.

(Affiliated to Shivaji University, Kolhapur)

GRADUATE DEPARTMENT OF Zoology



CERTIFICATE

This is to Certify that Mr. /Ms. Katyal Veera Ashak has successfully completed the "Sericulture" at graduate Department of Zoology in first class, in the academic year 2018-19

Co-ordinator

Head Department of Zoology Shri R. K. Latil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli

I/c. Principal, Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412

Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Autonomous (Self-Financed) Short Term Course

in

"Mushroom Cultivation"

Organized by

Department of Botany

Smt. Patil S. B.

Head and Course Co-ordinator

Department of Botany

2018-2019

A COMMENT AND COMM

Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli

II Dhairyam Sarvatra Sadhanam II

Shri Shivalingeshwar Shiksan Sanstha's Sankh

Shri R. K. Patil Arts, Commerce and Science College, Sankh.

Certificate Course

In

MUSHROOM CULTIVATION



Department of Botany, Shri RK Patil ACS College Sankh, Tal- Sankh,Dist-Sangli





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Ref.No.

Date:25/11/2018

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Certificate.

Course of Mushroom Cultivation

Respected sir,

With the reference to above subject, our Botany department is going to conduct certificate course in Certificate Course of **Mushroom Cultivation** for B. Sc. Students in this year academic year (2018-19). So, I request you to give us permission to conduct above said course.

Thanking you,

Yours Faithfully

Shri K.K. Patil Arts College Sankh

Tal- Sankh, Dist-Sangli

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Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

(6 Lectures)

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Department of Botany Short Term Course: "Mushroom Cultivation"

(2018-2019)

THEORY SYLLABUS

UNIT-1:

Importance of mushroom cultivation: Types of mushrooms (Edible and nonedible); Nutritional values of mushrooms, Scope for large scale cultivation, Different cuisines by using mushroom

UNIT-2: (6 Lectures)

Methodology for mushroom cultivation: Preparation of Spawn (grain spawn and straw spawn); Preparation of mushroom bed; Spawning of mushroom bed; Watering of mushroom bed; Harvesting of mushroom

UNIT-3: (6 Lectures)

Harvest and Post-Harvest Handling:

Precautions for mushroom Harvesting, Grading, Post-harvest techniques and storage

UNIT-4: (2 Lectures)

Need for the mass cultivation; Market status of mushroom; Different marketing strategies





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation"

(2018-2019)

LIST OF PRACTICALS

Practical 1. Study of Classification of Mushroom

Practical 2. Study of preparation of Spawn (grain spawn and straw spawn)

Practical 3. Study of technique of mushroom culture on bed

Practical 4. Study of harvesting methods of mushroom

Practical 5. Study of different food preparations from edible mushroom

Practical 6. Study of Grading; drying; storage methods





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

To,
M.S. MALI
HOD of Botany Department,
Arts, Commerce and Science College, Umadi
A/P- Umadi, Tal- Jath
Dist- Sangli

Subject: Invitation as a resource person for certificate course in "Mushroom Cultivation"

Respected Sir,

I am pleased to invite you to conduct certificate course in "Mushroom Cultivation" for academic 2018-19\under Department of Botany from Date 10/12/2018 to 10/02/2019.

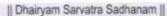
We look forward your presence and guidance

Thanking you

Your faithfully

Head
Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli







Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2018-2019)

SYLLABUS DISTRIBUTION FOR THEORY AND PRACTICALS Lectures: 30 (Theory: 20 and Practical: 10)

Sr. No	Theory	Name of Faculty
1.	Importance of mushroom cultivation: Types of mushrooms (Edible and non-edible), Nutritional values of mushrooms, Need for the mass cultivation, Market status of mushroom, Scope for large scale cultivation	
2.	Different Practices for mushroom cultivation Preparation of Spawn. Preparation of mushroom bed, spawning of mushroom bed, Watering of mushroom bed, Harvesting of mushroom.	S.B. Patil
3.	Necessary precautions for mushroom cultivation	
4.	Post-harvest storage, Different marketing strategies	
	Practicals	Name of Faculty
1.	Preparation of Spawn/mushroom bed	
2.	Culturing of mushroom and watering of bed	S.B. Patil
3.	Harvesting of mushroom	
4.	Necessary precautions during harvesting and their storage	



Head a Hear'se Co-ordinator
Department of Botany
Chri - Department of Botany Head
Language College,
Tal. Jach, Dist. Barga



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2018-2019) BOS PANEL INTERNAL EXPERT

Sr. No.	Name of Faculty	Designation	
1.	S. B. Patil	Head and Course co-ordinator Department of botany	

External Expert

Sr. No.	Name of Faculty	Designation
01	M.S. MALI	HOD of Botany Department Arts, Commerce And Science college, Umadi





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Department of Botany Short Term Course: "Mushroom Cultivation" (2018-2019)

Time -Table

Time			
2.30-3.30pm	Lecture	Monday (Batch –A)	Thursday (Batch-B)
2.30-3.30pm	Practical	Tuesday (Batch –A)	Friday (Batch-B)





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany Short Term Course: "Mushroom Cultivation" (2018-2019)

Date :

04/12/2018

NOTICE

All the students of B.Sc-I are hereby informed that the Department of Botany is conducting a self-financed three month Short Course on "Mushroom Cultivation".

Interested students register their names to Mr. S. B. Patil before 08/12/2018.



Department of Botany
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist, Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Department of Botany

Short Term Course: "Mushroom Cultivation" (2018-2019)

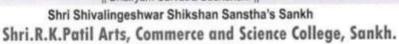
Resistration List

Sr. No	Name of students
1.	BAGELI VIJAYAKUMAR MALLIKARJUN
2.	MADOLI SIDARAYA KAMAGONDA
3.	PATIL VIJAYKUMAR SANGAPPA
4.	WAGH PRAMOD SURESH
5.	JAYAGOND SHIVANAND SHIVPUTRA
6.	PATIL SOUJANYA GOPALGOUDA
7.	TERADAL POOJA SHANKAR
8.	SOUDAGAR MUJAMIL HAJILAL
9.	PUNDE SHIVAM RAMACHANDRA
10.	MANG PRADIP SIDDHAPPA
11.	CHAVAN MAHESH SUBHASH
12.	DALAWAI SAMADHAN VASANT
13.	LENGARE SUNIL KRUSHNA
14.	PUJERI BHARATI BASAPPA
15.	MATHAPATI KIRAN SOMAYYA
16.	PATIL PRATIKSHA BASAPPA
17.	INDI SHRUSTI RAJSHEKHAR
18.	SHEELIN DEEPA ARJUN
19.	KONDI MALLAPPA SADASHIV
20.	SAKRIMATH ARCHANA KADAYYA



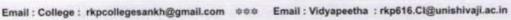
Sr. No	Name of students	
21	HUNNUR GAJANAN MAHADEV	
22	JEUR KAVERI ANIL	
23	PUJARI ASHWINI GOPAL	
24	PUJARI SUREKHA NINGAPPA	
25	TERADAL KAVERI MURAGEPPA	
26	SARJE DARYAPPA JAYASING	
27	DALAWAI SACHIN GOPAL	
28	GADADE SAGAR SHRIMANT	
29	WAGHAMORE MAHESH LAXMAN	
30	KOLI RAVIKANT IRAPPA	
31	KORE DILEEP RAVINDRA	
32	HUWALE CHETAN ONKAR	
33	SANADI PRATIK CHIDANAND	





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Department of Botany

Short Term Course: "Mushroom Cultivation" (2018-2019)

Attendance for theory

	1991 000 100 12				Da	tes			
Sr. No	Name of students	10 th Dec	12 th Dec	14 th Dec	15 th Dec	17 th Dec	19 th Dec	21 th Dec	24 th Dec
1.	BAGELI VIJAYAKUMAR MALLIKARJUN	Built	Buck	Bush	Burg	-	Blust	Busk	Bray
2.	MADOLI SIDARAYA KAMAGONDA	Oal	Ora-	The Co	Od.	(B)	Out	Con	Ost,
3.	PATIL VIJAYKUMAR SANGAPPA	But	Aust	Rud	Purk	But	Pust	But	Bur
4.	WAGH PRAMOD SURESH	WPS	MILE	W.P.	W.P.V	W.P.	W. P.S	-W.P	M. E
5.	JAYAGOND SHIVANAND SHIVPUTRA	Junt	Zund	Jane	hust	-	Thurs	Jung	Just
6.	PATIL SOUJANYA GOPALGOUDA	P.S.4	P.5.6	P.50	P.5.6	P.5.15	P.S.6	P.55	P5.6
7.	TERADAL POOJA SHANKAR	8	53	a.	15	55	83	SA	1
8.	SOUDAGAR MUJAMIL HAJILAL	CAR	1-000	(10)	Grant	CAR	Con	(43)0	1
9,	PUNDE SHIVAM RAMACHANDRA	Bush	Que	Que	ann	and	Bus	2 ye	Sam
10.	MANG PRADIP SIDDHAPPA	P.M.S	P-M-S	P.M.S	P.M.	P.MA	PM		P.M.
11.	CHAVAN MAHESH SUBHASH	du	CM	-One	CAM	CIM	OW	-Cm	Que,
12.	DALAWAI SAMADHAN VASANT	ST.	27	0,7	27.	0.4.	27	03	07
13.	LENGARE SUNIL KRUSHNA	CIL	- CLBS	46.0	UK	d'st	(LSE	100	LIL
14.	PUJERI BHARATI BASAPPA	BBB	PB	2.8	P.B.B	P.B.B	PLB	PB.	P.B.
15.	MATHAPATI KIRAN SOMAYYA	(may	man	(Marie	(man)	want	mon	Truit	(Norm
16.	PATIL PRATIKSHA BASAPPA	Fluid	Fatan	Du	FATILITY	thu	The state of	Fluis	Pa
17.	INDI SHRUSTI RAJSHEKHAR	EX	FAST.	CDAR	GAR	G. Charles	TALL	CESK	1923
18.	SHEELIN DEEPA ARJUN	Oud	(Sp.M	Spul	- CON	(S)	(Sim	(SON	(4)
19.	KONDI MALLAPPA SADASHIV	(Kim)	Kod	Chul	- (Bin	King	tse-	(Kan	Ken
20.	SAKRIMATH ARCHANA KADAYYA	PA	0	0	0	W.	WA	ERA	EA





		Dates								
Sr No	Name of students	10 th Dec	12 th Dec	14th Dec	15th Dec	17th Dec	19th Dec	21 th Dec	24 th Dec	
21	HUNNUR GAJANAN MAHADEV	(thu	(A)TIN	(Hord	(Boul	(HDd	Alpel	(HOL	(HDel	
22	JEUR KAVERI ANIL	Jews	3 eul	Jerry	Jew	Jam	70150	8,300	Dem	
23	PUJARI ASHWINI GOPAL	PHUE	Polon	(PHE	H CHA	Hoyas	HUM	Fuon	form	
24	PUJARI SUREKHA NINGAPPA	624	- BM	-POST	- BP	EN	15H	PIN	ZPS1	
25	TERADAL KAVERI MURAGEPPA	Texta	Jana	Toda	Terda	Probal	Pard	bjenda	Dered	
26	SARJE DARYAPPA JAYASING	an	(B)	5	(20)	(34)	SHIP	Ser	(50m)	
27	DALAWAI SACHIN GOPAL	Dellar	Dusk	I de l'ave	+Dalu	NOTE	1 Dal	L David		
28	GADADE SAGAR SHRIMANT	9.53	(4.5)	E-17	9.3.3	65	62.53	G3-3	G	
29	WAGHAMORE MAHESH LAXMAN	My.	MA	(Phr	Went	MM	WM	ON.	(My	
30	KOLI RAVIKANT IRAPPA	Hom	Kor	KOV	LIKEL	the	Helt	ERL	KALI	
31	KORE DILEEP RAVINDRA	Beck	BOR	Kore	Llone	Konl	Ran.	Kor	Cont	
32	HUWALE CHETAN ONKAR	Agrate	Mier	Ma look	A Property	Mary	Maga	19/10	EKH!	
33	SANADI PRATIK CHIDANAND	SAL	(Del	49-1	- Tool	Red	Xon	Kon	100	





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Department of Botany Short Term Course: "Mushroom Cultivation" (2018-19)

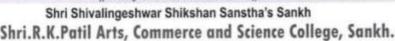
Attendance for Practical

		T			D	ates			
Sr No	Name of students	02 th Jan	4 th Jan	08 th Jan	11 th Jan	14 th jan	18 th Jan	Jan .	Jan Jan
1.	BAGELI VIJAYAKUMAR MALLIKARJUN	Buck	Bush	Bour	Blue	Bush	Bur	Buil	(Burns
2.	MADOLI SIDARAYA KAMAGONDA	Out.	- Od-	mou.	(1) (1) (1)	Ber	Out	600	(Tel
3.	PATIL VIJAYKUMAR SANGAPPA	Bunk	Bud	Dur	Que	Bud	Suns	Bu	Buck
4.	WAGH PRAMOD SURESH	MARS	1chtPs	-MP	c with	VV-Ps	IN. B	3d-12	W.P
5.	JAYAGOND SHIVANAND SHIVPUTRA	Sunk	Tark	Just	200	Link	Touch	True	Just
6.	PATIL SOUJANYA GOPALGOUDA	P.5.6	P.5.6	P.5.6	P.5.6	P.5	PSE	P.50	P.S.
7.	TERADAL POOJA SHANKAR	5	Car	10	190	Car	152	18	198
8.	SOUDAGAR MUJAMIL HAJILAL	MX	Q	1	CONT.	Out	March	(Q)	De
9.	PUNDE SHIVAM RAMACHANDRA	Quest	- April	Sund	Shing	grand	Dune	Sund	4 mg
10.	MANG PRADIP SIDDHAPPA	p.M.5	P.M-5	PM.	S PM:	S PM	PTH.	P.M.	BW
11.	CHAVAN MAHESH SUBHASH	OM	Cud	(Jul	- 'Cur	- 04	Cha	- Cut	Cul
12.	DALAWAI SAMADHAN VASANT	24.5	D.4.5	0.7	POW!	D.4.3	84	P.Y	0,4
13.	LENGARE SUNIL KRUSHNA	LL SE	4.66	+ (17)	1 CLAR	100	ULK	alk_	(TX0)
14.	PUJERI BHARATI BASAPPA	PBB	BB-B	P. B. B	P.B.	PTB-	P.B.F	P.B.B	FIB
15.	MATHAPATI KIRAN SOMAYYA	ment	May	00m	- (nau	May	Bul	May	Fran
16.	PATIL PRATIKSHA BASAPPA	(B) MK	Pust	Think	Durch	THE W	H)Wh	199	KILL
17.	INDI SHRUSTI RAJSHEKHAR	50	Charle	+ Com	+ (In	The state of	TIM	1	1814
18.	SHEELIN DEEPA ARJUN	THE W	THE PARTY	124	1	124	SW	(2)	1
19.	KONDI MALLAPPA SADASHIV	Sal.	- KAM-	Stu	KIM	KAN	Sum.	(F.M	KAN
20.	SAKRIMATH ARCHANA KADAYYA	(PA	(P	W	PA	(xx	W	The same	10



					D	ates			
Sr No	Name of students	02 th Jan	4 th Jan	08 th Jan	11 th Jan	14 th Jan	18 th Jan	21 th Jan	25 th Jan
21	HUNNUR GAJANAN MAHADEV	Hand	Had	Hod	Hend	Piguel-	Unal	Han	Hard
22	JEUR KAVERI ANIL	- Suz	peul	Tente	Jems	Seuz	Jews,	Jane	Jan
23	PUJARI ASHWINI GOPAL	PAG	P.A.6	P.AG	PA-G	RA-6	PAG	PAG-	A-A
24	PUJARI SUREKHA NINGAPPA	Ripsi	Birth.	THO	Pign	Pigas	Pipo	Pajon	Rijon
25	TERADAL KAVERI MURAGEPPA	Dar	First	Ganda	Berde	FAM	Renda	Italy	Ferda
26	SARJE DARYAPPA JAYASING	Cont !	(50) L	SOX.	Gail	Cont	Confl	Cons	(In
27	DALAWAI SACHIN GOPAL	Date	Only	41900	Dilux	Poha	Salvari	Delue	(Dahoa
28	GADADE SAGAR SHRIMANT	Gode	Goda	Gooded	Gard	Gada	M (god	The Con	Good
29	WAGHAMORE MAHESH LAXMAN	Many	Nevo	-00M	(MAN)	mal (Mur	(ng.)	Mary Mary
30	KOLI RAVIKANT IRAPPA	(Kinks	KOK	HORACI.	(Kar	(Valle	18ple	- Kel	SKAR
31	KORE DILEEP RAVINDRA	Knew	MONE	King	Rom	Kore.	wood	kure	time
32	HUWALE CHETAN ONKAR	Harm	Home	Muly	Mus	Ma	Plul	Mund	Have
33	SANADI PRATIK CHIDANAND	Sand	Gara	and	(Sand	(Sund	Can	(3ml	Found





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Department of Botany Add-On Course: "Mushroom Cultivation"

(2018-2019) Question paper

Total Marks: 50

Time: 11.00 am-1:00 pm

Date:09/02/2019

Instructions: 1. All questions are compulsory

2. Draw neat and labelled diagrams wherever necessary.

Figures to the right indicate full marks.

Q. I Write short notes on any six:

(30 Marks)

i. Describe the nutritional values and health benefits of mushroom?

ii. Why there is need for mass cultivation of mushrooms?

iii. Write in brief about different marketing strategies for mushroom?

vi. How to differentiate edible and non-edible mushrooms?

v. Write a brief note of the preparation of spawn and mushroom bed?

vi. Need of post-harvest storage for mushrooms.

Q. 2 Long answer questions (Any two).

(20 Marks)

1. What are the different practices for mushroom cultivation?

ii. What are the necessary precautions for mushroom cultivation during postharvest storage?

iii. What are different nutritional deficiencies in humans and how the consumption of mushroom will helpful; to overcome those deficiencies?



GRADUATE DEPARTMENT OF BOTANY



CERTIFICATE

This is to Certify that Mr. /Ms. Jeus hoves. And has successfully completed the "Mushroom Cultivation" at graduate Department of Botany in the academic year 2018-19

Co-ordinator Department of Colany Shri R. M. Satil Arts, Commerce & Stramp College, Sankh Tu., Josh, Dist, Sangli Shri R. K. Patil Arts action to Science Colle Ja, Sankin, Yal. Joth, Dist. Sangli 416 412





Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email: College: rkpcollegesankh@gmail.com *** Email: Vidyapeetha: rkp616.Cl@unishivaji.ac.in

Academic Year 2018-19

CERTIFICATE COURSE

(2018-2019)

By

Department of Commerce,

Shr R.K. Patil Arts, Commerce and Science Collage, Sankh

(2018-2019)





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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To be implemented from the Academic Year 2018-2019

TITLE-: Certificate Course in Goods and Service Tax

YEAR OF IMPLEMENTATION: 2018-19

CONDUCTING DEPARTMENT: COMMERCE

PREAMBLE:

The constitution contains the Union List and the State List within which the power to levy separate taxes is given to the Centre and States respectively. GST was to be levied in such a way that both the Centre and the States received the power to levy and collect it. Further, the legislation had to remain consistent across the Centre and the various State/Union Territory Legislatures, to provide for this, an amendment in the Constitution was necessary.

LEARNING OUTCOMES:

Students should be able to understand various terms related to Goods and Service tax (GST). 2. To make students understand the concept of forward charge mechanism, reverse charge mechanism, composite supply, mixed supply and carious exemptions under the new Goods and Service tax regime.

CERTIFICATE COURSE OUTCOMES:

- 1. It helps in raising an individual's salary by 15% to 25% on average.
- 2. It increases the number of job opportunities available to individuals.
- 3. It enables individuals to start their own consultancy

Syllabus Content:

Duration:

WEEK	TOPIC	SUBTOPIC
1	GST in India	A)Meaning and Basic Concept of GST B) History of GST C)Principle of Indirect Taxes
2	Supply under GST	A)Relevant Definitions B)Concept of Supply
3	Charge on GST	a)Goods exempt from tax B)List of services exempt from tax
4	Exemption from GST	A)Power of grant exemption from Tax

The duration of Certificate Course shall be of 30 days.

REFERENCE BOOKS:-

- 1. Taxmann's GST Ready Reckoner (Budget 2018 Edition) By VS Dattey
- Taxmann's GST Manual with GST Law Guide & Digest of Landmark Rulings (Budget 2019 Edition) Set of 2 Volumes
- 3. Taxmann's GST Audit and Annual Return (2nd Edition January 2018)
- GST Law and Analysis with Conceptual Procedures: By Bimal Jain and Isha Bansal (Set of 4 Volumes)
- 5. Taxmann's GST Mini Ready Reckoner (2nd Edition 2018)

GST BOOKS IN INDIA PREVIOUS EDITIONS

6. GST Ready Reckoner (8th Edition, April 2018)



ADMISSION PROCESS:

The subject knowledge consisting of GST GST regarding questions for 50 marks. (Multiple Choice Questions i.e. MCQs

ELIGIBILITY:

 Candidates who have passed any HSC of any statutory Board recognized Equivalent thereto must have obtained minimum aggregate 40 percent marks.

MEDIUM OF INSTRUCTION:

The medium of instruction shall be in Marathi and English.

STANDARD OF PASSING:

To pass 40% Marks in MCQ paper



|| Unanyam Sarvana Samanam ||



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Student Enrollment List

Sr.No	Name of the Student								
1	SWAMI TEJSWINI GURPADAYYA								
2	SUREKAR CHANDRIDA BASAPPA								
3	PAWAR MAYA JAYAPAL								
4	BIRAJDAR RANI SURESH								
5	GURAV PUJA KENCHAPPA								
6	MALI SHASHIKANT ANANDAMALI								
7	BIDRI BASAVARAJ SHRISHAIL								
8	CHAVAN SARALA RAVASAHEB								
9	BAGELI MAHESH BALAGONDA								
10	BABAR SUPRIYA YUVARAJ								
11	KHANDAGALE PRAJAKTA PANDIT								
12	JADGAV BHAGYASHREE TUKARAM								
13	ACHEGAVN MAHESH CHANDRAM								
14	AWAJI SANTHOSH MAHADEV AWAJI								
15	JAGTAP JYOTI RAMESH								
16	HADAPAD DEEPALI SURESH								
17	CHAVAN ASHVINI SAGUDAS								
18	PATIL ANIL MARUTI								
19	SUTAR SONALI SURESH								
20	MULLA SALIM IMAM								





Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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नोटीस

कॉमर्स विभागातील सर्व विद्यार्थ्यांना सूचित करणेत येते की, कॉमर्स विभागामार्फत बी. भाग - 1 साठी आयोजित 'Certificate Course in Goods and Service Tax' दि. 15/01/2019 पासून सुरु होत आहे. तरी प्रवेश घेतलेल्या सर्व विद्यार्थ्यांनी सोबत दिलेल्या वेळापत्रकाप्रमाणे तासास उपस्थित राहावे.

Head
Department of Commerce
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





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CERTIFICATE COURSE IN GOODS AND SERVICE TAX (TAX) TIME TABLE

Time: 1:30am. To 2:30am

Sr. No.	Date	Syllabus Content
1	15/01/2019	Meaning and Concept of GST
2	16/01/2019	Background of GST
3	17/01/2019	Principles of Indirect Taxes
4	18/01/2019	Supply under GST
5	19/01/2019	Supply under GST
6	21/01/2019	Supply under GST
7	22/01/2019	Relevant Definitions
8	23/01/2019	Concept of Supply (section-7)
9	24/01/2019	Concept of Supply (section-7)
10	25/01/2019	Charge on GST
11	28/01/2019	Charge on GST
12	29/01/2019	Charge on GST
13	30/01/2019	Goods Exempt from tax
14	1/2/	Goods exempt from tax
15	01/02/2019	Table and Services Exempt Tax
16		Date ence Between Direct Tax and indirect Tax

17	03/02/2019	Difference Between Direct Tax and indirect Tax
18	04/02/2019	GST Rate as per GST Act 2017
19	05/02/2019	GST Rate as per GST Act 2017
20	06/02/2019	Business's Under GST Act 2017
21	07/02/2019	Business's Under GST Act 2017
22	08/02/2019	Business's Under GST Act 2017
23	09/02/2019	Tax Slab and GST Registration Turnover Limit
24	11/02/2019	Tax Slab and GST Registration Turnover Limit
25	12/02/2019	Tax Slab and GST Registration Turnover Limit
26	13/02/2019	Revision of Supply under GST, Charge On GST
27	14/02/2019	Revision of Supply under GST, Charge On GST
28	15/02/2019	Revision of Supply under GST, Charge On GST
29	16/02/2019	Pre. Examination
30	18/02/2019	Pre. Examination





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Notice

Date: 20 February 2019

All the students are informed that certificate course in Goods and Service Tax examination will be held on 25th February, 2019 from 10:00 am to 12:00 pm. However, everyone should be present on time.

Head
Department of Commerce,
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli





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Department of Commerce Course Certificate: Goods & Service Tax (2018-19) Attendance for theory

Sr.no	Name of the students	15 Jan	16 Jan	16 Jan	17 Jan	18 Jan	19 Jan	21 Jan	Jan	23 Jan	24 Jan	25 Jan	28 Jan
1		1		7.00			1						
2	SWAMI TEJSWINI GURPADAYYA	gons	Q surve	Sand	22000	S. Land	0,500	0,00	9,343	O Land	Q Dane	200	e sport
3	PAWAR MAYA JAYAPAL	Mary	Purp	Horte	Mary	post	host	Mark	Hout	Hout	pay	Mark	Not
4	BIRAJDAR RANI SURESH	BE-	832	路	BZ	B	B	路	路	Be	Be	82	BS-
5	GURAV PUJA KENCHAPPA	por	Current	Gard	Com	Copy	3/7	Cupan	1800	37	839	Cuty.	Crops
6	MALI SHASHIKANT ANANDAMALI	role	Mak	Mod	Male	Holy	Made	Male	Mod	Male	Male	Maly	Map
7	BIDRI BASAVARAJ SHRISHAIL	BRE	883	285	263	1883	BBS	883	BBS	288	28/2	睉	385
8	CHAVAN SARALA RAVASAHEB	AB	Are	dr	de	du	Hu	du	91	dul	du	de	dw
9	BAGELI MAHESH BALAGONDA	B	Bla.	OPP.	(Mar)	G	ABO.	000	B	AD	(BB)	Par	(P)
10	BABAR SUPRIYA YUVARAJ	Boy	Buy	(Pal)	(M)	04	MO	000	BA CO	BA	(B)	10 M	(A)
11	KHANDAGALE	M	TEN	MIL.	All	(BY)	CA	Ma	WY	- MA	18Kt	ANA.	A

	PRAJAKTA PANDIT	Dur	Que	AB	(But	Burk	Due	Bul	Bul	Brig.	But	(Da)	Pul
12	JADGAV BHAGYASHREE TUKARAM	TEST	BI	181	西	BI	AB-	BI	IBI	BL	JBI	JeI,	BI
13	ACHEGAVN MAHESH CHANDRAM	AB	Ame	AM	AMO	A.Mc	A MI	AMC	AB	A.PK	AMC	Ans	APK
14	AWAJI SANTHOSH MAHADEV AWAJI	Dur.	But	Day	AB	Dust	About	Dud	AB	6	Day	Duf.	And
15	JAGTAP JYOTI RAMESH	Di	Jaj	Toli	西	Bi	Toli	Eli	Edi	Idi	Teli-	Di	Jeli
16	HADAPAD DEEPALI SURESH	DK.	125	DS	Ds.	1 5.	DS-	AB.	123	DE,	DS	DS-	DS
17	CHAVAN ASHVINI SAGUDAS	Asc	45.0	AB	Asc	ASC	ASC	AB	дзс	ASC	ASE	A.sc	Asc
18	PATIL ANIL MARUTI	PHI)	Total	Delil	PHIL	Polis	Dalid	Bolit	godil	netil	rpalil	Relia	(ilep
19	SUTAR SONALI SURESH	555	555	AB	555.	555	555	555	5-55	555	555	555	555
20	MULLA SALIM IMAM	5.M1	SME	SMI	SMI	SM	3MI	5MI	AB	S.M.J	S.MI	SMJ	3.m



Sr.no	Name of the students	29 Jan	30 Jan	31 Jan	01 Feb	02 Feb	03 Feb	04 Feb	05 Feb	06 Feb	07 Feb	08 Feb	09 Fel
1													
2	SWAMI TEJSWINI GURPADAYYA	S. are	e year	O.Com	Carry)	3	gran)	033/	9	3/	4300	23/	ex
3	PAWAR MAYA JAYAPAL	North	playe	Well	North	May	Moto	Mary	Mayo	Works	May	white	M
4	BIRAJDAR RANI SURESH	B	By	B	Be	Be	Bz	20/2	Be	De	83	282	B
5	GURAV PUJA KENCHAPPA	Chash	C 300)	0.17	37	037V	Cur	Curt	Custy	June	Custon	every	وين
6	MALI SHASHIKANT ANANDAMALI	Maly	Not	Moly	Profe	Post .	May	Mad	Mak	mal.	Half	Ned	nd of
7	BIDRI BASAVARAJ SHRISHAIL	W.	265	PBS	2803	1832	B	题		野	1988	BBS	BE
8	CHAVAN SARALA RAVASAHEB	Jose	du	An	du	de	du	_	down	_	AB	de	A
9	BAGELI MAHESH BALAGONDA	AB	BE	BOO	BBA	BBA	BBB	BBA	BBB	BBA	BBA	BBA	B
10	BABAR SUPRIYA YUVARAJ	Bio	Ba	BA	(And)	(Pm)	-RB	Bland	(Ba)	BA	-BW	BA	B
11	KHANDAGALE PRAJAKTA PANDIT	ON	BA	OF	BER	Bel	BR	KAR	BR	BA	BH	BP.	
12	JADGAV BHAGYASHREE TUKARAM	ZB 1	NEW TOP	381	ZEI	JBT	JB1	JBT	781	AB.	JBT	28(70
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17	CHAVAN ASHVINI SAGUDAS	ASC	ASC	ASL	A5C	ASC	A50	ASC	P.SC
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Sr.no	Name of the students	11 Feb	12	13 Feb	14 Feb	15 Feb	16	18	18
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2	SWAMI TEJSWINI GURPADAYYA	Mari	Dunk	Systems	O. Mark	O'read	Optored	03	ON TOWN
3	PAWAR MAYA JAYAPAL	Month	Nova	Nays	May	Nug	Noys	Mark	mys
4	BIRAJDAR RANI SURESH	B	BE.	283	B	800	Be	Br	By
5	GURAV PUJA KENCHAPPA	Cham	Chris	Clark	Care	Cury	Com	well	Com
6	MALI SHASHIKANT ANANDAMALI	200	Non	Mole	Hall	Hole	Hot	Male	Made
7	BIDRI BASAVARAJ SHRISHAIL	888	BBS	2003	883	1883	888	2003	883
8	CHAVAN SARALA RAVASAHEB	For	On	AB	Just	du	der	day	Ohr
9	BAGELI MAHESH BALAGONDA	ON!	By (And	30	Barn	AB	(Panh)	Bn6
10	BABAR SUPRIYA YUVARAJ	98	600	PAB	B	800	(PBA)	Q100	BBI
11	KHANDAGALE PRAJAKTA PANDIT	BLA	yr	- Del	AB	EPP	QPP.	gr!	WIL
12	JADGAV BHAGYASHREE TUKARAM	JET.	IBI	JBT	JOT	BT	AB	JBT	JBT
13	ACHEGAVN MAHESH CHANDRAM	AB(mul	WA	Mul	(Mr)	(Mary	D4	Mid
14	AWAJI SANTHOSH	way/	MA	Hori	1	poji	And	Anni	APT

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15	JAGTAP JYOTI RAMESH	Tai	Di	Thi	AB.	Toli	Tali	Tali	AA	Idi.	Teli	AB	Teli
16	HADAPAD DEEPALI SURESH	NP	MP	ABI	Me	MP	AB	No	(MC	YP.	MP	H	(AD
17	CHAVAN ASHVINI SAGUDAS	ASC	AB	Asc	Asc	AB	A 6c	AS!	A 56	AB	A.5.0	A.55	AB
18	PATIL ANIL MARUTI	BHI	Petil	Palil	godil.	Palil	Petil	Patil	Polil	godil	Pobl	Refil	Polit
19	SUTAR SONALI SURESH	Sila	- (5y	地	148	dare	Both	184	Suk	2 Ad	Auto	Ab	Sin
20	MULLA SALIM IMAM	TELL	TOWN	AB	DENTE	Coul	4 COUNT	Frai	The second	AB	mul	100	11/190





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Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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mail: Vidyapeetha: rkp616.Cl@u

Question Paper

Time - 10:30am To 12:00PM Max Marks- 50

Name of the Student	Marks Obtained	
Sign of Student	Total Marks	

Instructions

- 1. Attempt all Twenty Five (25) Multiple Choice Questions from the following.
- 2. Each MCQ carries two marks.
- Choose correct alternative and write its alphabet (A/B/C/D) into the empty box In front of each question.
- GST is one of the widely accepted indirect taxation system prevalent in more than......
 Countries across the globe.
- a) 140
- b) 160
- c) 170
- d) 190
- 2.Was first country to adopt GST as indirect system of taxation?
- a) France
- b) Germany



	e) UK
	d) India
	3. GST has rolled out with effect from
	a) 01-07-2017
	b) 15-07-2017
	c) 01-04-2017
	d) 05-09-2017
	4. GST is consumption tax.
	a) Origin based
	b) Destination based
	c) Purchase based
	d) Sales based
	5. India has adopted Model of GST based on federal structure.
	a)Dual
	b) Single
	c)Triple
	d) None of the above
•	 The GST is recommended by the Budget Management (FRBM), Act, 2003.on implementation of the Fiscal Responsibility and
	a) Kalka task force
	b) Chidambaram task force
	c) Jauntily task force
	d) none of the above
	7. The first State which ratified the GST Bill in India.
	a) Kerala
	b) Bihar
	c) Jharkhand
	Brands #

.

	d) Assam
	8. The recommendation of the GST Council will be
	A) Mandatory
	b) Only advisory power
	c) Mandatory and sometimes advisory
	d) Mandatory on states only
	9. What are different types of supplies covered under the scope of supply?
	a)Supplies made without consideration
þ	b) Supplies made with consideration
	c) Both of the above
	d) None of the above
	10. classification of certain transactions or activities as supply of goods or supply of service is given provided in
	a) Schedule I
	b) Schedule III
	c) Schedule II
	d) Section 8
,	11. Supply includes import of services for a consideration
	a) In the course or furtherance of business
	b) Not in the course or furtherance of business
	c) Whether or not in the course or furtherance of business
	d) None of the above
	12. Activities made or agreed to be made without a consideration covered in scope of Supply are specified in
	a) Schedule 1
	b) Schedule III
	c) Schedule II
	d) Section 8
	* SHIP A

	13. Activities or transactions specified in goods nor a supply of services shall be treated neither as a supply of
	a)Schedule 1
	b) Schedule III
	c) Schedule II
	d) Section 8
	14 Activities or transactions undertaken by the Central Government, a State Government or any local authority in which they are engaged as public authorities, as may be notified by the Government on the recommendations of the Council, shall be treated as
	a) Supply of goods
9	b) Neither as supply of goods in a
	c) Supply of services
	d) Either as a supply of goods or as a supply of services
	15. Transfer of the title in goods shall be treated as
	a) Supply of goods
	b) Neither as a supply of goods nor a supply of services.
	c) Supply of services
	d) Either as a supply of goods or as a supply of services
0	16. Transfer of right in goods or of undivided share in goods without the transfer of title There of shall be treated as
	a) Supply of goods
	b) Neither as a supply of goods nor a supply of services
	c) Supply of services
	d) Either as a supply of goods or as a supply of services
	17. Intra state supply is liable to
	a) CGST
	b) SGST
	c) CGST and SGST
	d) IGST

to the tax applicable to interstate supplies will be
A) SGST only
b) CGST only
C) IGST only
d) CGSTIGST
19. Supply of the following is not liable to CGST
a) Alcoholic liquor for industrial consumption
b) Alcoholic liquor for medicinal consumption
c) Alcoholic liquor for human consumption
d) Lottery
20. The central tax on the supply ofshall be levied with effect from such data as may be notified by the Government on the recommendations of the council.
a) Petroleum crude
b) High speed diesel
c) Motor spirit
d) All of the above
21is the maximum rate prescribed under CGST Act, 2017
a) 12%
b) 28%
c) 20%
d) 40%
22Notifies the rate of central tax to be levied under CGST Act, 20177
a) Central government
b) State government
c) GST Council
d) Central government as per the recommendations of the GST council
23. What are the supplies on which reverse charge mechanism would apply?

.

- a) Notified categories of goods or services or both
- b) Inward supply of goods or services or both from an unregistered dealer
- c) Both of the above
- d) None of the above
- 24. Mr.Raman owner of car provided transport service to Mr Yash through SULA CAB ECO who is liable to pay GST?
- a) Mr.Raman
- b) Mr. Ash
- c) Sula cab
- d) None of the above
- 25. Works contract as defined in Section 2(119) of CGST Act, 2017, being composite supply shall be treated......
- a) Supply of goods
- b) Neither as a supply of goods nor a supply of services
- c) Supply of services
- d) Either as a supply of goods oars a supply of services





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FINAL RUSULT

Sr.No	Students Name	Written Marks	Total marks	Result	
1	SWAMI TEJSWINI GURPADAYYA	30	30	Pass	
2	SUREKAR CHANDRIDA BASAPPA	36	36	Pass	
3	PAWAR MAYA JAYAPAL	40	40	Pass	
4	BIRAJDAR RANI SURESH	45	45	Pass	
5	GURAV PUJA KENCHAPPA	46	46	Pass	
6	MALI SHASHIKANT ANANDAMALI	30	30	Pass	
7	BIDRI BASAVARAJ SHRISHAIL	41	41	Pass	
8	CHAVAN SARALA RAVASAHEB	42	42	Pass	
9	BAGELI MAHESH BALAGONDA	40	40	Pass	
10	BABAR SUPRIYA YUVARAJ	30	30	Pass	
11	KHANDAGALE PRAJAKTA PANDIT	36	36	Pass	
12	JADGAV BHAGYASHREE TUKARAM	35	35	Pass	
13	ACHEGAVN MAHESH CHANDRAM	31	31	Pass	
14	AWAJI SANTHOSH MAHADEV	34	34	Pass	
15	JAGTAP JYOTI RAMESH	32	32	Pass	
16	HADAPAD DEEPALI SURESH	40	40	Pass	
17	CHAVAN ASHVINI SAGUDAS	41	41	Pass	
18	PATIL ANIL MARUTI	33	33	Pass	
19	SUTAR SONALI SURESH	34	34	Pass	
20	MULLA SALIM IMAM	35	35	Pass	



SHIVALINGESHWAR SHIKSHAN SANSTHA

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE SANKH

TAL - JATH DIST- SANGLI.

(Affiliated to Shivaji University, Kolhapur)



DEPARTMENT OF Commerce

CERTIFICATE

This is to Certify that Mr. /Ms. Mulla Salim Tmam.....has successfully completed the GOODS AND SERVICE TAX at graduate Department of Commerce in the academic year 2018-19

Co-ordinated Commerce
Department of Commerce
Shri R. K. Patil Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli

I/C Principal
I/c. Principal,
Shri R. K. Patil Arts, Commerce Science College,
Sankh, Tal. Jath, Dist. Sangli 416 412



INDEX

Interview Writing & Personality Development

Year 2018-2019

Sr.no.	o. Content	
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2	Invitation Letter	
3	Notice	
4	Meeting Notice	
5	Syllabus	
6	Objectives and Learning Objectives	
7	Time table	
8 ,	List of participants	
9	Attendance	
10	Question Paper	
11	Certificate	



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U.G.Department of Marathi

(Self-Financed certificate course)

Short Term Course - 2018-19

Interview Writing & Personality Development

म्लाखत लेखन आणि व्यक्तिमत्व विकास

BOS and Experts

1. Name of the Course

: Interview Writing & Personality Development

2. BOS Members

: Prof. Mali. S. B.

3. Guest & Expert

: Prof. Sonavane, L. S. Prof. Kharat, P. K.





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U.G.Department of Marathi

(Self-Financed certificate course) Short Term Course-2018-19 Interview Writing & Personality Development मुलाखत लेखन आणि व्यक्तिमत्व विकास

Course Structure

Eligibility

: 12th Pass

Duratio

: 1 Months

Examination Pattern

: Theory : 50 Marks

Total: 50 Marks

Faculty

: Prof. Mali. S. B.

Co-ordinator

: Head, U.G. Department of Marathi

Shri. R.K.Patil Arts, Commerce and Science College, Sankh.



U.G.Department of Marathi

(Self-Financed certificate course) Short Term Course-2018-19 Interview Writing & Personality Development मुलाखत लेखन आणि व्यक्तिमत्व विकास Syllabus

Unit No.	Unit Name	Lecture Allotted
1	मुलाखत लेखनाची संकल्पना व स्वरूप	8 Lectures
2	मुलाखत लेखनाचे प्रकार व स्वरूप	8 Lectures
3	म्लाखत लेखनाची माध्यमे	8 Lectures
4	म्लाखत लेखन व व्यक्तिमत्व विकास	8 Lectures
	Total Lectures	32 Lectures

संदर्भ ग्रंथ :

- t) संदीप सांगळे : व्यावहारिक उपयोजित मराठी आणि प्रसार माध्यमे, डायमंड पब्लिकेशन्स, पुणे
- २) त.रा. नासिराबादकर: व्यावहारिक मराठी, फडके प्रकाशन, आठवी आवृत्ती
- अंपादक डी, कल्याण काळे, डी, अंजली सोमण भाषांतर मीमांसा, प्रतिमा प्रकाशन, पुणे
- ४) डॉ. उमा कुलकर्णी भाषांतर मीमांसा, कन्नड मराठी अनुवाद: एक अनुभव
- पशोदा भागवत जाहिरातींच्य जग, मौज प्रकाशन दुसरी आवृत्ती
- ६) आनंद पाटील: स्जनात्मक लेखन, पद्यागंधा प्रकाशन, पुणे
- क) संजय लांडगे उपयोजित मराठी, दिलीपराज प्रकाशन, पुणे
- ८) केशब जुपे: माध्यमांची भाषा, लेखन कौशल्य, चिन्मय प्रकाशन, औरंगाबाद
- ९) डॉ. स्नेहल तावरे व्यावहारिक मराठी, स्नेहवर्धन प्रकाशन, पुणे
- to) मराठी भाषा उपयोजन आणि सर्जन दूर शिक्षण केंद्र, शिवाजी विद्यापीठ, कोल्हापूर
- ११) मो.रा. बाळंबे स्गम मराठी व्याकरण लेखन, मराठी शुध्दलेखन प्रदीप, फडके प्रकाशन, कोल्हापूर





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Time - Table

Date:-04/02/2019 to 09/03/2019

Sr. No	TIME	М	т	W	Т	F	S
4	01.0040 02.00	Mall-SB.	Mali ss.	Maliss.	Madi S.B	_	-
4	01.00to 02.00		_	_	_	Bonovere Z	Samon

Guest Lecture

Prof.Sonavane L.S.







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NOTICE

दि. 27/01/2019

बी. ए. मराठी विभागातील सर्व विद्यार्थ्यांना कळविण्यात येते की, विभागातंगैत शौर्ट टर्म कोर्स सुरु असून या कोर्सचे तास दि. 04/02/2019 पासून सुरु होत आहेत. याचे वेळापत्रक मराठी विभागात लावण्यात आले आहे. याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.



Head
Department of Marathi
Shri R. mores
& Scit. 13



Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Student Attendance.

SR.NO	STUDENT NAME
1	Ghode Prafull Prakash
2	Banne Vishal Martand
3	Gopane Siddhu Madhu
4	Gurav Anand Bhimanna
5	Karade Shekhar Amagonda
6	Karande Badal Annasaheb
7	Khot Pravin Tanaji
8	Lokhande Anil Tanaji
9	Mane Rajakumar Shivagonda
10	Mane Sundardas Babasaheb
11	Misal Prashant Subbash
12	Pandhare Vishnu Namdev
13	Sannake Kiran Ashok
14	Tambe Mallu Satu
15	Vhonakhande Anand Mahadev
16	!Babar Poonam Ramu
17	Kamble Manjunath Mahadev
18	!Koli Pooja Ramchandra
19	Mane Vishal Dattatray
20	!Shinde Sujata Sunil
21	Aiwale Sitaran Vitthal
22	Jagtap Anil Harishchandra
23	Karade Tammaray Birappa
24	Karande Parameshwar Vasant

27 Narute Maruti Girjappa 28 Pandhare Santosh Shivaji 29 Pandhare Shivaji Birappa 30 Pandhare Subhash Kondiba 31 (Parase Dipa Rajaram 32 Patil Basavaraj Sanjay 33 (Ranadive Supriya Vijay 34 Sarje Sunil Mallappa 35 Sawant Pramod Shankar 36 Shendge Changdev Gulah 37 Shinde Rohan Kashinath 38 Vagare Dayaneshwar Bandu 39 Vhanakhande Prashant Mahadev 40 Pandhare Bapu Laxman 41 Lohar Sagar Siddhu 42 Turai Devappa Laxman 43 (Desai Priyanka Ganapati 44 (Honakande Akshata Sadashiv 45 Chavan Vijaykumar Hanamant 46 (Havgondi Rajshari Bhimruo 47 (Happarukar Sakhubai Arjun 48 (Kanashetti Chetana Chandrashekhar 49 (Mulia Shabana Mubaruk 50 (Naik Pramila Prakash 51 (Narale Pallavi Dnyandev 52 (Navale Pallavi Krishnadeo 53 Sarje Sagar Malhari 54 Shendage Abhijit Amogsidha	25	Mali Siddhu Chanappa	
28 Pandhare Santosh Shivaji 29 Pandhare Shivaji Birappa 30 Pandhare Subhash Kondiba 31 (Parase Dipa Rajaram 32 Patil Basavaraj Sanjay 33 (Ranadive Supriya Vijay 34 Sarje Sunil Mallappa 35 Sawant Pramod Shankar 36 Shendge Changdev Gulah 37 Shinde Rohan Kashinath 38 Vagare Dayaneshwar Bandu 39 Vhanakhande Prashant Mahadev 40 Pandhare Bapu Laxman 41 Lohar Sagar Siddhu 42 Turai Devappa Laxman 43 (Desai Priyanka Ganapati 44 (Honakande Akshata Sadashiv 45 Chavan Vijaykumar Hanamant 46 (Havgondi Rajshari Bhimruo 47 (Happarukar Sakhubai Arjun 48 (Kanashetti Chetana Chandrashekhar 49 (Mulla Shabana Mubaruk 50 (Naik Pramila Prakash 51 (Narale Pallavi Dnyandev 52 (Navale Pallavi Krishnadeo 53 Sarje Sagar Malhari 54 Shendage Abhijit Amogsidha	26	Munje Akshata Birappa	
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Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

U.G.Department of Marathi

(Self-Financed certificate course) Short Term Course-2018-19 Interview Writing & Personality Development मुलाखत लेखन आणि व्यक्तिमत्व विकास

EXAM NOTICE

दि. 12/03/2019

बी. ए. मराठी विभागातील सर्व विद्यार्थ्यांना कळविण्यात येते की, विभागातंर्गत शॉर्ट टर्म कोर्सची परीक्षा दि.18/03/2019 पासून सुरु होत आहे. परीक्षेचे वेळापत्रक मराठी विभागात लावण्यात आले आहे. याची सर्व विद्यार्थ्यांनी नोंद घ्यावी.



Head
Depart Interest


Shri Shivalingeshwar Shikshan Sanstha's Sankh

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EXAM TIME - TABLE

Date	Time	Exam	
18/03/2019	02.00 to 04.00	Theory	



Department of Arrathi
Shri R. I.
& Scie Sankh
Tal. Jaun, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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SRNO	STUDENT NAME	Theory 50	Result
1	Ghode Prafull Prakash	40	Pass
2	Banne Vishal Martand	44	Pass
3	Gopane Siddhu Madhu	42	Pass
4	Guray Anand Bhimanna	25	Paus
5	Karade Shekhar Amagonda	38	Pass
6	Karande Badal Annasaheh	38	Pass
7	Khot Pravin Tanaji	45	Pass
8	Lokhande Anii Tanaji	39	Pass
9	Mane Rajakumar Shivagonda	42	Pass
10	Mane Sundardas Babasaheb	40	Pass
11	Misal Prashant Subhash	42	Pass
12	Pandhare Vishnu Namdev	38	Pass
13	Sannake Kiran Ashok	40	Pass
14	Tambe Mallu Satu	25	Pass
15	Vhonakhande Anand Mahadev	42	Pass
16	Babur Poonam Ramu	45	Pass
17	Kumble Manjunath Mahadey	38	Pass
18	!Koli Pooja Ramchandra	40	Pass
19	Mane Vishal Dattatray	25	Pass
20	!Shinde Sujata Sunil	42	Pass
21	Aiwale Sitaran Vitthal	40	Pass

22	Jagtap Anil Harishchandra	39	Pass
23	Karade Tammaray Birappa	39	Pass
24	Karande Parameshwar Vasant	45	Pass
25	Mali Siddhu Chanappa	39	Pass
26	Munje Akshata Birappa	39	Pass
27	Narute Maruti Girjappa	39	Pass
28	Pandhare Santosh Shivaji	45	Pass
29	Pandhare Shivaji Birappa	40	Pass
30	Pandhare Subhash Kondiba	39	Pass
31	!Parase Dipa Rajaram	42	Pass
32	Patil Basavaraj Sanjay	45	Pass
33	!Ranadive Supriya Vijay	39	Pass
34	Sarje Sunil Mallappu	25	Pass
35	Sawant Pramod Shankar	42	Pass
36	Shendge Changdev Gulah	40	Pass
37	Shinde Rohan Kashinath	45	Pass
38	Vagare Dayaneshwar Bandu	39	Pass
39	Vhanakhande Prashant Mahadev	39	Pass
40	Pandhare Bapu Laxman	40	Pass
41	Lohar Sagar Siddhu	25	Pass
42	Turai Devappa Laxman	42	Pass
43	!Desai Priyunka Ganapati	45	Pass
44	!Honakande Akshata Sadashiv	48	Pass
45	Chavan Vijaykumar Hanamant	45	Pass
46	!Havgoodi Rajshari Bhimmo	40	Pass
47	!Hpparakar Sakhubai Arjun	25	Pass
48	!Kanashetti Chetana Chandrushekhar	42	Pass
19	!Mulia Shabana Mubarak	40	Pass
50	!Naik Pramila Prakash	25	Pass
51	!Narale Pallavi Dnyandev	42	Pass
52	!Navale Pallavi Krishnadeo	40	Pass
53	Sarje Sagar Malhari	25	Pass
54	Shendage Abhijit Amogsidha	42	Pass
55	!Karande Dipali Maryappa	40	Pass





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अहवाल

मराठी विभागाने २०१८-१९ या वर्षांसाठी 'मुलाखत लेखन आणि व्यक्तिमत्व विकास' या विषयात अंड ऑन कोर्स आयोजित केला होता. या अभ्यासक्रमासाठी या वर्षा ५५ विद्याध्यांना प्रवेश देण्यात आला. 'मुलाखत लेखन आणि व्यक्तिमत्व विकास' या विषयाचे जान वाढवण्याच्या उद्देशाने हा अभ्यासक्रम आयोजित करण्यात आला होता. 'मुलाखत लेखन आणि व्यक्तिमत्व विकास' या विषयाचे महत्त्व विद्याध्यांना मिळाले. हा अभ्यासक्रम यशस्वीरित्या पार पडला ज्यामध्ये वेळापत्रकानुसार ६२% व्याख्याने झाली. या परीक्षेत १००% विद्याधी उपस्थित होते. यशस्वी विद्याध्यांना प्रमाणपत्र वाटप करण्यात आले.





SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH.

TAL - JATH DIST- SANGLI. (Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF MARATHI



CERTIFICATE

This is to Certify that *Mr. /Ms.* Honakande Akshata Sadashiv has successfully completed the "Certificate Course Interview Writing & Personality Development Department of Marathi in Ist Class in the academic year 2018- 19.

Co-ordinator

. Biradar K. S

I/C Principal

Shri R. K. Patil Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412

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Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

nail : College : rkpcollegesankh@gmail.com ess Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Add on Certificate Course On Bee keeping



Organised by

Department of Zoology

Course incharge

Mr.Mali.G.S

Course duration- 9 Oct 2018 to 10 Nov 2018





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Add on certificate course on Bee keeping

Year: 2018-2019

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyspeetha : rkp616.Cl@unishivaji.ac.in

Ref.No.

Date: 20/09/2018

To,
The Principal,
Shri. R.K.P. Art, Commerce
and Science College, Sankh.
Tal-Jath, Dist- Sangali.416412

Subject: Regarding permission to commencement of certificate Course in Certificate **Course of Bee keeping.**

Respected sir,

With the reference to above subject, our Zoology department is going to conduct certificate course in Certificate Course of Bee keeping. for B. Sc. Students in this year academic year (2018-19). So, I request you to give us permission to conduct above said course.

2018

Thanking you,

Crantad Crantad

Yours Faithfully

Department of Zoology,

Shri RK Patil ACS College Sankh,

Tal-Sankh, Dist-Sangli Head

Department of Zoology Shri R. K. Patil Arts, Commerce & Science Colloge, Sankh Tal. Jath, Dist. Sangli



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Ct@unishivaji.ac.in

To

Mr. M. B. Sajjan,

HOD of Zoology Department,

R.R college Jath

A/P- Jath, Tal- Jath

Dist-Sangli

Subject: Invitation as a resource person for certificate course in "Bee keeping".

Respected Sir,

I am pleased to invite you to conduct certificate course in "Bee keeping"." for academic 2018-19 under Department of Zoology from Date 09/10/18 to 10/11/2018.

We look forward your presence and guidance.

Thanking you

your faithfully

Head
Department of Zoology
Shri R. K. Patil Arta, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli







Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh. Tal.Jath, Dist.Sangli. 416 412. College Code: 616

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Notice

Date-04-10-2018

All students of B.Sc are here by informed that Department has organised "Add on Certificate Course on Bee keeping" from. All students are informed that they should remain present for course on time. It may clearly noted that will be collected from absent students.







Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Zoology

Bee keeping

Meeting Notice

The meeting of the members of BOS in certificate course **Bee Keeping** is conveyed on 22 September 2018 for the preparation of syllabus.

Sr.no.	Name	Position	Signature
1	Mr.K.S. Biradar	Chairman	Daviey,
2	Mr.Mali.G.S	Co-Ordinator	85
3	Mr.Sayyad S.A.	Member	Saynedes
4	Mr.Patil.S.B.	Member	BB
5	Mr.Haladakki A.S.	Member	Aladont

HOD

Head
Department of Zoology
Shri R. K. Pedi Arts, Commerce
& Science College, Sankh
Tal. Jath, Dist. Sangli



I/c. Principal, Shri R. K. Patll Arts, Commerce Science College, Sankh, Tal. Jath, Dist. Sangli 416 412



Shri Shivalingeshwar Shikshan Sanstha's Sankh

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Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Department of Zoology

Bee keeping

Academic Year 2018-19

Minutes of Meeting

The meeting of the members of BOS in certificate course in Bee keeping Introduction of is held on 24 September 2018 for the preparation of course syllabus. The following members of present and prepared the syllabus of the above course and submitted to Co-Ordinator of Shri R.K.Patil ACS College Sankh.

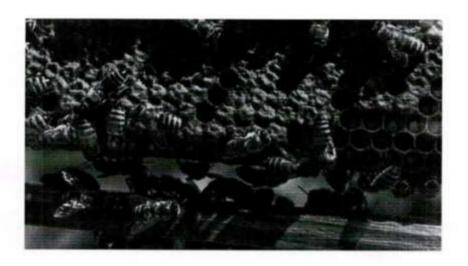
Sr.no.	Name	Position	Signature
1	Mr. K.S Biradar	Chairman	Spend
2	Mr.Mali.G.S	Co-Ordinator	695
3	Mr.Sayyad S.A.	Member	syrdes.
4	Mr.Patil.S.B.	Member	P63_
5	Mr.Haladakki A.S.	Member	Madatlei

HOD

Department of Zoology Shri R. K. Perli Arts Commerce & Science Cothes, Sankh Tal. Jath, Dist. Sangli Estd 2018
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I/c. Principal,
Shri R. K. Patil Arts, Commerce Science College,
Sankh, Tal. Jath, Dist. Sangli 416 412

Skill based Certificate Course on Bee Keeping



Syllabus Theory

Unit.1

Apiculture development in Indis .Role of central honey bee research and training instistute .

Introduction to apiculture:scope and Importance

Unit-2

Honey bee morphology and anatomy and life cycle Honey species and casts ,origin systematic and distribution of honeybees

Unit-3

Social organisation in Honeybees:colony life and social organisation communication in honeybees.

Bee anemies and disease-An introduction, bee enemies- wax moth .ants, waps ,Microorganisms .Pests,Diagnosis and lentification.
Bacterial, viral, fungal protozoan disease of honey bees.

Unit-4

Bee keeping: Tools and Equipment's Introduction to types of bee boxes Unit-5

Honey-Processing and Bee Hive Products

Honey-its properties and application in various fields

Economics in small scale and large scale bee keeping .Economic value of commercial Bee keeping.

Practicals

- 1.Setting and Maintaince of Bee keeping unit.
- 2.Setting and Maintance of Honey Processing unit.
- 3. Breeding and Multiplication of various bees.
- 4. Propogation of bee plants





Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh.

Tal.Jath, Dist.Sangli. 416 412. College Code: 616 Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4)

Estd-19/7/2018(N.G.C.2018/N.M.V./100/18)M.C-4) PH: 02344-299127. Mob.: (O) 7448000616.

Email : College : rkpcollegesankh@gmail.com *** Email : Vidyapeetha : rkp616.Cl@unishivaji.ac.in

Objectives:-

- To provide basic knowledge in the field of Biodiversity, Conservation and Wildlife Management
- To generate connection between part professional organizations working in the field of conservation and environment protection.
- · To provide an alternate avenue to students
- To create awareness about Biodiversity and Nature Conservation

Course Outcomes :-

By the completion of the course the students should able to -

- Understand the basic life cycle of the honeybee.
- · Learn beekeeping tools and equipment.
- · Manage beehives for honey production and pollination.
- · Learn honey bee diseases and pests.
- · Harvest and marketing of honey and other bee products.

Incharge Certificate Course

Department of Zoology

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Eshd 2018 Co



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Department of Zoology

Year: 2018-2019

Add on Certificate Course

On

Bee Keeping

Time Table-

Theory and Practical

Г	Time	Mon	Tues	Wed	Thurs	Fri	Sat
ľ	1.00-2.00 Theory	Mr.Mali .G.S	Mr.Mali.G. S	Mr.Mali. G.S	Mr.Mali.G.S	Mr.Mali. G.S	Mr.Mali.G.S
0	2.15-3.15 Practical	Mr.Mali .G.S	Mr.Mali.G.	Mr.Mali. G.S	Mr.Mali.G.S	Mr.Mali. G.S	Mr.Mali.G.S



Department of The logy
Shri R. K. Had an merce
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Regestration Student List

Add on Certificate Course On Bee Keeping

Sr. no.	Name of the students	
1.	HATTARAKI SACHIN MAHADEV	
2.	JADHAV NIKHIL SANJAY	
3.	CHAVAN VAISHAIL PANDURANG	
4.	BIRAJADAR RAHUL SHRISHAIL	
5.	DAPHALE AKSHAY SIDDHANA	
6.	BIRADAR SOMANING SHILISIDDA	
7.	SHINDE SANI AUDUMBAR	
8.	INGOLE DEEPAK BAVUSAHEB	
9.	HONAMORE DHANAMMA SHRIKANT	
10.	KULAL KOMAL MARUTI	
11.	KOTYAL VEENA ASHOK	
12.	POOJARI PRIYANKA ARJUN	
13.	KULAKARNI GAYATRI SUNIL	
14.	UMARANI VIDYA BALASAHEB	
15.	WAGOLI SUREKHA SIDDAPPA	
16.	BIRADAR MADAGONDA OGEPPA	
17.	DESAI PRAMOD GANAPATI	
18.	BIRADAR AKSHATA RAJENDRA	
19.	NIKAM ARCHANA RAMCHANDRA	
20.	WALIKAR KAVITA ARJUN	
21.	HAKKI JAKKAPPA SURESH	
22.	BASARGI SACHIN AMBURAYA	
23.	ELAGI ASHWINI SHIVANAND	
24.	PUJARI CHIDANAND MALLIKARJUN	
25.	AWATI TEJASHRI DEEPAK	
26.	ARALI DHANESHWARI SHRIKANT	
27.	GHAGARE SIDDHALING CHANDU	
28.	CHAVAN POOJA RAVASAHEB	
29.	MISALE SONALI SUKHADEV	



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Department of Zoology Shri R. K. Patil Arts, Commerce & Science College, Sankh Tal. Jath, Dist. Sangli

Dhairyam Savatra Sadhanam

Shri Shivalingeshwar Shikshan Sanstha's Sankh

Shri.R.K.Patil Arts, Commerce and Science College, Sankh

Department of Zoology

Question Paper

Add on Certificate Course On Bee Keeping

Marks:30

Instructions

- 1.All the questions are compulsory.
- 2. Questions to the right indicate full marks.
- 3.Draw neat and labelled diagrams wherever necessary.
- Q.1 .Long Questions.[any2]
- a.Describe Social Organisation of Honeybees.
- b.Describe Bee enemies , diagnosis and Identification.
- c.Explain tools and Equipment's used for Bee Keeping.
- q.2. Write shorts notes of the following.[any2]
- a. Types of Bee boxes
- b.Honey Processing and Bee Hive products
- c. Honey bee species



Dhairyam Savatra Sadhanam Shri Shivalingeshwar Shikshan Sanstha's Sankh Shri.R.K.Patil Arts,Commerce and Science College ,Sankh Department of Zoology

Report

Skill based Certificate Course on Bee Keeping

Increasing demand for honey and itsby products – bee wax,royal jelly,etc.in various food, pharmaceutical and cosmetic industries has an expanding market in developing as well as developed countries.

Apiculture, The main source of honey, is a low maintenance and cost effective process, Associated intimately with agriculture and forest, the practice of apiculture noy only yields products of economic value, but also helps to sustain biodiversity. Apiculture has an important role to play in the self-employment sector in the present scenario.

Department of Zoology has offered this course for B.Sc II Students for increasing the employment opportunity in rural sector and thus enhancing the ancillary income of the beekeepes and farmers. This course was conducted during the 9th October 10 November 2018. For this coruse 29 students have been enrooled. During this period the lectures and Practicals were conducted by resource faculties .Mr.Mali.G.S conducted the practicals and theory periods .

Specific outcome of beekeeping as an income generation activity Bees play an important role in the pollination of many flowering plants, thus increasing the yield of certain crops such as sunflower and various fruits. Honey is a delicious and highly nutritious food.



SHIVALINGESHWAR SHIKSHAN SANSTHA

SHRI R.K.PATIL ARTS, COMMERCE AND SCIENCE COLLEGE, SANKH.

TAL - JATH DIST- SANGLI.

(Affiliated to Shivaji University, Kolhapur)

DEPARTMENT OF Zoology



CERTIFICATE

This is to Certify that Mr. /Ms. POOJARI PRIYANKA ARJUN has successfully completed the Add on certificate course on "Bee Keeping" at Department of Zoology in the academic year 2018- 19.

Co-ordinator

I/C Principal

Sankh, Tai, Jath, Dist, Sanoli 416 412