



B.L.D.E. Associations

**S.B. ARTS & K.C.P SCIENCE COLLEGE
VIJAYAPUR-586103**



**VALUE ADDED COURSE-
VERMITECHNOLOGY**

**DEPARTMENT OF ZOOLOGY
2016-17**



B.L.D.E.ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE, VIJAYAPUR
ACCREDITED at 'A' Grade in 3rd Cycle by NAAC
Phone: (08352) – 261766, (08352) 262770 Extn. 2223, 2224
Fax: 08352 – 261766 E-mail: bldeasbkcp@gmail.com Web: www.bldeasbkcp.org



Date:07.01.2017

DEPARTMENT OF ZOOLOGY

NOTICE

It is hereby informed to the students of B.Sc II semester that the Department of zoology is conducting Value added course in Vermitechnology from 16.01.2017 To 13.04.2017 So the interested students can register their names before 14.01.2017.

Hatil

Head of the
Department of Zoology
S. B. Arts & K. C. P. Sc. College
BIJAPUR

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

Las

Principal,
S. B. Arts & KCP Sc. College,
Bijapur

**B.L.D.E. Association's
S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR
DEPARTMENT OF ZOOLOGY**

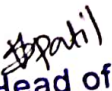
VALUE ADDED COURSE IN VERMITECHNOLOGY

List of Faculty for Academic Year 2016-17

1. Prof.(Smt).V.S.Patil.
2. Prof. B.S. Bagali.
3. Prof. S.B.Savalagi.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR


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DEPARTMENT OF ZOOLOGY
VALUE ADDED COURSE IN VERMITECHNOLOGY

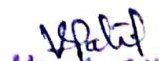
Student Admission list-2016-17

Sl.No	Roll No	Name
1	78	Prachi.Patil
2	128	Mahatesh.Karikabbi
3	133	Sneha.Bisnal
4	159	Bhagyashree.Biradar
5	169	Veeresh.Kulageri
6	206	Vijaylaxmi.Patil
7	207	Mallamma.Biradar
8	208	Pooja.Nagari
9	215	Anjaneya.Kalal
10	220	Gayatri.kodekal
11	224	Swati.Ganachari
12	225	Sujata.Chavan
13	232	Akshay.Badiger
14	251	Malavika.Bidari
15	258	Deepti.Masuti
16	275	Divya.Bhairshetti
17	280	Geeta.Biradar
18	293	Renuka.kotargasti
19	301	Arunumar.Handignur
20	314	Asharani.Matapati
21	316	Anjanadevi.Kabbin
22	322	Amruta.Gidaveer
23	326	Veeresh.Totad
24	354	Abhishek.Choudhari
25	366	Santosh.Nagarali

Sl.No	Roll No	Name
26	369	Akshata.Surgur
27	376	Somanath.Bagalkot
28	391	Shashikumar.Budanur
29	401	Pooja.Angadi
30	420	Vijaylaxmi.Nagarali
31	421	Uttam.kamble
32	433	Charantayya.Kamble
33	439	Anita.Choudhari
34	455	Supriya.Keruagi
35	461	Laxmi.Badiger
36	464	Anil.chavan
37	473	Shantala, Madarkhandi
38	474	Soumya.Bogar
39	485	Archana.Misal
40	488	Sunil .S.Pawar
41	500	Shashikant.Rathod
42	506	Shreya.Shetty
43	507	Pooja.Pyatigoudar
44	514	Khatunbi Mulla
45	515	Priyanka.Manguli
46	531	Kanyakumari.Hutagi
47	536	Vidyashree.Gotyal
48	563	Shilpa.Dalwai
49	564	Hemavati.Khandekar
50	568	Archana.Patil

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PRINCIPAL
 B.L.D.E.A's S.B. Arts & K.C.P.
 Science College, Vijayapur.


IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur.


Head of the
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 S.B. Arts & K.C.P. Science College,
 VIJAYAPUR.

**B.L.D.E. Association's
S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR
DEPARTMENT OF ZOOLOGY**

TIME -TABLE-2016-17

Sl.No	DAY	TIME
1	Monday	05:00-06:00pm
2	Tuesday	05:00-06:00pm

pas
PRINCIPAL
B.L.D.E.A's S.B. Arts & K.C.P.
Science College, Vijayapur.

V. Halid
Head of the
Department of Zoology
S.B. Arts & K.C.P. Sc College.
BIJAPUR.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

B.L.D.E. Association's
S.B.ARTS & KCP SCIENCE COLLEGE, VIJAYAPUR
VALUE ADDED COURSE - VERMITECHNOLOGY
PAPER CODE - SBKCPZOO-01

Objectives: 1) To impart training on Earthworm culture technology
2) To create knowledge on Self-Employment opportunity

Maximum Marks-100

Total Hours-30

UNIT-I

INTRODUCTION

Definition and concept of vermiculture. Scope of vermiculture .Importance of soil organisms in vermiculture .
Advantages of vermiculture.

UNIT-II

BIOLOGY OF EARTHWORM

Types of Earthworm. Externals, Digestive system ,Reproductive system . Life cycle , cocoon formation and population of earthworms .

UNIT-III

VERMICOMPOSTING TECHNIQUE AND METHODS

Preparation of small scale/ indoor Vermicomposting technique. Preparation of large scale/ outdoor Vermicomposting technique . Small scale Vermicomposting method . Large scale Vermicomposting method.

UNIT-IV

MANAGEMENT OF VERMICOMPOST

Selection of site and Earthworms. Factors affecting Vermicomposting – pH, Moisture, Temperature. Harvesting , Storage, Marketing and Applications of vermicompost .

UNIT-V

PRODUCTS OF VERMICULTURE

Vermicompost and its nutritive value(N.P.K). Vermiwash, Vermitea.

UNIT-VI

NATURAL ENEMIES OF EARTHWORM

Pests, parasites and pathogens affecting earthworm. Uses of earthworms in food and medicine - ayurvedic and unani. Recycling of food wastes in vermiculture

EXAMINATION PATTERN

THEORY		
ANNUAL	FIELDWORK	TOTAL MARKS
80	20	100

REFERENCES

1. Introduction to Economic Zoology by S.Sarkar, G.Kundu and K.K.Chaki,2014. New Central Book Agency Ltd. London.
2. Applied Zoology by N.Arumugam, T.Murugan, J.J.Rajeswar and R.R.Prabu, 2015, SARAS PUBLICATION, Nagarcoil.
3. Economic Zoology by Upadyay et.al.
4. Economic Zoology by Javed.
5. Earthworm ecology by C.A.Edwards,1998. CRC Press, Florida.
6. Earthworm and Vermicomposting, Indian J Biotech 3:486.496.

(Signature)
Head of the
Department of Zoology,
S.B.Arts & K.C.P Sc. College,
VIJAYAPUR.

(Signature)
IQAC, Co-ordinator

S.B.Arts & K.C.P.Science College,
Vijayapur.

(Signature)
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR
DEPARTMENT OF ZOOLOGY- Vermitechnology

Attendance 2016-17

SL.No	Roll.No	Name	16/01	17/01	23/01	24/01	30/01	31/01	06/02	07/02	13/02	14/02	20/02	21/02	27/02	28/02	06/03
1	78	Prachi.Patil	PR	PR	PR	PR	PR	PR	PR	PR	A	PR	PR	PR	PR	PR	PR
2	128	Mahatesh.Karikabbi	Mak	Mak	Mak	Mak	Mak	Mak	A	Mak	Mak	Mak	Mak	Mak	A	Mak	Mak
3	133	Sneha.Bisnal	hsh	hsh	hsh	hsh	A	hsh	hsh	hsh	A	hsh	hsh	hsh	hsh	hsh	hsh
4	159	Bhagyashree.Biradar	B.Biradar	B.Biradar	B.Biradar	B.Biradar	A	B.Biradar	B.Biradar	B.Biradar	B.Biradar	B.Biradar	A	B.Biradar	B.Biradar	B.Biradar	B.Biradar
5	169	Veeresh.Kulageri	V.V	V.V	V.V	V.V	V.V	A	V.V	V.V	V.V	V.V	V.V	V.V	A	V.V	V.V
6	206	Vijaylaxmi.Patil	VP	VP	VP	VP	VP	A	VP	VP	VP	VP	VP	VP	A	VP	VP
7	207	Mallamma.Biradar	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	A	MB	MB	MB	MB
8	208	Pooja.Nagari	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	A	Pooja	Pooja	Pooja	Pooja	Pooja	A	Pooja	Pooja
9	215	Anjaneya.Kalal	AK	AK	AK	AK	A	AK	AK	AK	A	AK	AK	AK	AK	AK	A
10	220	Gayatri.kodekal	Gayk	A	Gayk	Gayk	A	Gayk	Gayk	A	Gayk	Gayk	A	Gayk	A	Gayk	Gayk
11	224	Swati.Ganachari	S.G	S.G	S.G	S.G	S.G	A	S.G	A	S.G	S.G	A	S.G	S.G	A	S.G
12	225	Sujata.Chavan	Sujk	Sujk	Sujk	Sujk	Sujk	A	Sujk	A	Sujk	A	Sujk	A	Sujk	A	Sujk
13	232	Akshay.Badiger	AB	AB	AB	AB	AB	AB	AB	AB	AB	A	AB	A	AB	AB	AB
14	251	Malavika.Bidari	Bm	Bm	A	Bm	A	Bm	A	Bm	Bm	A	Bm	Bm	Bm	A	Bm
15	258	Deepti.Masuti	HM	HM	HM	HM	HM	HM	HM	A	A	HM	HM	HM	HM	HM	HM
16	275	Divya.Bhairshetti	D	D	D	D	D	D	A	D	A	D	D	D	D	D	D
17	280	Geeta.Biradar	Gb	Gb	Gb	Gb	Gb	Gb	A	Gb	Gb	Gb	A	Gb	Gb	Gb	Gb
18	293	Renuka.kotargasti	Rk	Rk	Rk	Rk	Rk	Rk	Rk	Rk	Rk	A	Rk	Rk	A	Rk	Rk
19	301	Arunumar.Handignur	AH	AH	AH	AH	AH	AH	A	AH	A	AH	A	AH	AH	A	AH
20	314	Asharani.Matapati	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
21	316	Anjanadevi.Kabbin	ka	ka	ka	ka	ka	ka	ka	ka	ka	ka	ka	ka	A	ka	ka
22	322	Amruta.Gidaveer	Ga	Ga	A	Ga	Ga	Ga	A	Ga	Ga	A	Ga	Ga	Ga	Ga	Ga
23	326	Veeresh.Totad	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT
24	354	Abhishek.Choudhari	R.BH	R.BH	R.BH	R.BH	R.BH	A	R.BH	R.BH	R.BH	A	R.BH	R.BH	R.BH	A	R.BH
25	366	Santosh.Nagarali	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N	S.N
26	363	Akshata.Surgur	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S

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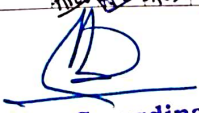
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DEPARTMENT OF ZOOLOGY
VALUE ADDED COURSE IN VERMITECHNOLOGY
ATTENDANCE 2016-17

SL.No	Roll no	Name	7/03	13/03	14/03	20/03	21/03	26/03	27/03	28/03	02/04	03/04	04/04	09/04	10/04	11/04	12/04
1	78	Prachi.Patil	PR	PR	PR	PR	PR	PR	PR	PR	AB	PR	PR	PR	PR	PR	A
2	128	Mahatesh.Karikabbi	not	not	not	not	not	not	not	not	not	not	not	not	not	not	not
3	133	Sneha.Bisnal	Sneha	AB	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
4	159	Bhagyashree.Biradar	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree	Bhagyashree
5	169	Veeresh.Kulageri	VK	VK	VK	VK	VK	VK	VK	VK	AB	VK	VK	VK	VK	VK	VK
6	206	Vijaylaxmi.Patil	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP	VP
7	207	Mallamma.Biradar	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR	MR
8	208	Pooja.Nagari	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja	AB	Pooja	Pooja	Pooja	Pooja	Pooja	Pooja
9	215	Anjaneya.Kalal	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
10	220	Gayatri.kodekal	GK	AB	GK	GK	GK	GK	GK	GK	GK	GK	GK	GK	GK	GK	GK
11	224	Swati.Ganachari	SG	SG	AB	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG	SG
12	225	Sujata.Chavan	Suj	Suj	AB	Suj	Suj	Suj	Suj	Suj	Suj	Suj	Suj	Suj	Suj	Suj	AB
13	232	Akshay.Badiger	AK	AK	AK	AB	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
14	251	Malavika.Bidari	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB	MB
15	258	Deepti.Masuti	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM	DM
16	275	Divya.Bhairshetti	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB	DB
17	280	Geeta.Biradar	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB	GB
18	293	Renuka.kotargasti	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB	RB
19	301	Arunumar.Handignur	AR	AB	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR	AR
20	314	Asharani.Matapati	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS	AS
21	316	Anjanadevi.Kabbin	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
22	322	Amruta.Gidaveer	AG	AG	AG	AG	AG	AG	AG	AG	AB	AG	AG	AG	AG	AG	AG
23	326	Veeresh.Totad	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT	VT
24	354	Abhishek.Choudhari	ACH	ACH	AB	ACH	ACH	ACH	ACH	ACH	ACH	ACH	ACH	ACH	ACH	ACH	ACH

continued

25	366	Santosh.Nagarali	SM SN SN SN SN SN AB SN SN SN SN SN SN SN AB
26	369	Akshata.Surgur	AK AK AK AK AK AK AB AK AK AK AK AK AK AK AB
27	376	Somanath.Bagalkot	SB SB SB SB SB AB SB SB SB SB SB SB SB SB
28	391	Shashikumar.Budanur	SS SS SS AB SS SS SS SS SS SS SS SS SS AB
29	401	Pooja.Angadi	AP AP AP AP AP AP AP AP AP AP AP AP AP AP AP
30	420	Vijaylaxmi.Nagarali	VN VN VN AB VN VN VN VN VN VN VN VN VN AB VN VN
31	421	Uttam.kamble	UK UK UK UK UK UK UK UK UK UK UK UK UK UK UK
32	433	Charantayya.Kamble	cha char cha char char char char char char char char cha AB
33	439	Anita.Choudhari	chit chit chit Anita Anita Anita Anita Anita Anita Anita Anita AB Anita Anita
34	455	Supriya.Keruagi	SK SK SK SK SK AB AB AB SK SK SK SK SK SK
35	461	Laxmi.Badiger	L L L L L AB L L L L L L L L L L L
36	464	Anil.chavan	AC AC AC AC AC AC AC AC AC AC AC AC AC AC AC
37	473	Shantala,Madarkhandi	MS MS MS MS MS MS MS MS MS MS MS MS MS MS MS
38	474	Soumya.Bogar	so so so so so so so so so so so so so so so so
39	485	Archana.Misal	AS AS AS AS AS AS AS AS AS AS AS AS AS AS AS
40	488	Sunil .S.Pawar	SP SP SP SP SP AB SP SP SP SP SP SP SP SP SP
41	500	Shashikant.Rathod	SR SR SR SR SR AB SR SR SR SR SR SR SR SR SR
42	506	Shreya.Shetty	SS SS SS SS SS SS SS SS SS SS SS SS SS SS SS
43	507	Pooja.Pyatigoudar	POO POO POO POO POO POO POO POO POO POO POO POO POO POO AB
44	514	Khatunbi Mulla	ku ku ku ku ku ku ku ku ku ku ku ku ku ku ku ku
45	515	Priyanka.Manguli	PM PM PM PM PM AB PM PM PM PM PM PM PM PM PM
46	531	Kanyakumari.Hutagi	KH KH KH KH KH AB KH KH KH KH KH KH KH KH KH
47	536	Vidyashree.Gotyal	VG VG VG VG VG AB VG VG VG VG VG VG VG VG VG
48	563	Shilpa.Dalwai	SD SD SD SD SD SD SD SD SD SD SD SD SD SD SD
49	564	Hemavati.Khandekar	HK HK HK HK HK AB HK HK HK HK HK HK HK HK HK
50	568	Archana.Patil	AR AR AR AR AR AB AR AR AR AR AR AR AR AR AR

Spatil
 Head of the
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Date: 08.04.2017

DEPARTMENT OF ZOOLOGY

VALUE ADDED COURSE IN VERMITECHNOLOGY

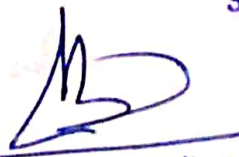
NOTICE

All the students of B.ScII semester who have enrolled their name for the value added course in Vermitechnology are here by informed to attend the examination to be held on 15.04.2017 at 09.00am-12.00pm

195
PRINCIPAL
B.L.D.E.A's S.B. Arts & K.C.P.
Science College, Vijayapur.

Head of the Department

Head of the
Department of Zoology
S.B. Arts & K.C.P. Sc College
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VALUE ADDED COURSE IN VERMITECHNOLOGY

Paper-Vermitechnology

Time-3 Hours

Max Marks:80

NOTE: Answer any four of the following:

20X4=80

1. Describe the scope and advantages of vermiculture..
2. Explain the reproduction of earthworm.
3. Describe the products of vermiculture.
4. Describe large scale of vermicomposting method.
5. Describe the different species of earthworm used in vermiculture.

Apnil
Head of the
Department of Zoology,
S.B.Arts & K.C.P Sc. College,
VIJAYAPUR.


IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

205
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR
VALUE ADDED COURSE IN VERMITECHNOLOGY

RESULTS- 2016-17

SL.No	Roll.No	Name	Theory	Field work	Total	Result
1	78	Prachi.Patil	74	18	93	A*
2	128	Mahatesh.Karikabbi	64	19	83	B*
3	133	Sneha.Bisnal	78	17	92	A*
4	159	Bhagyashree.Biradar	54	18	72	B
5	169	Veeresh.Kulageri	72	19	91	A*
6	206	Vijaylaxmi.Patil	76	17	93	A*
7	207	Mallamma.Biradar	76	18	94	A*
8	208	Pooja.Nagari	63	17	80	B
9	215	Anjaneya.Kalal	58	19	77	B
10	220	Gayatri.kodekal	69	17	86	B*
11	224	Swati.Ganachari	58	19	77	B
12	225	Sujata.Chavan	70	17	87	A
13	232	Akshay.Badiger	54	19	73	B
14	251	Malavika.Bidari	64	19	83	B*
15	258	Deepti.Masuti	58	19	77	B
16	275	Divya.Bhairshetti	54	19	73	B
17	280	Geeta.Biradar	78	18	96	A*
18	293	Renuka.kotargasti	69	18	87	A
19	301	Arunumar.Handignur	73	19	92	A*
20	314	Asharani.Matapati	54	19	73	B
21	316	Anjanadevi.Kabbin	64	19	83	B*
22	322	Amruta.Gidaveer	58	19	77	B
23	326	Veeresh.Totad	64	19	83	B*
24	354	Abhishek.Choudhari	72	17	89	B*
25	366	Santosh.Nagarali	76	17	90	B*
26	369	Akshata.Surgur	78	18	96	A*
27	376	Somanath.Bagalkot	59	19	78	B
28	391	Shashikumar.Budanur	60	18	75	B
29	401	Pooja.Angadi	54	19	73	B
30	420	Vijaylaxmi.Nagarali	56	17	73	B
31	421	Uttam.kamble	74	18	93	A*
32	433	Charantayya.Kamble	64	19	83	B*
33	439	Anita.Choudhari	78	17	92	A*
34	455	Supriya.Keruagi	54	18	72	B
35	461	Laxmi.Badiger	72	19	91	A*
36	464	Anil.chavan	76	17	93	A*
37	473	Shantala,Madarkhandi	76	18	94	A*
39	474	Soumya.Bogar	63	17	80	B
39	485	Archana.Misal	58	19	77	B
40	488	Sunil .S.Pawar	69	17	86	B*
41	500	Shashikant.Rathod	77	18	95	A*
42	506	Shreya.Shetty	70	17	87	A
43	507	Pooja.Pyatigoudar	54	19	73	B
44	514	Khatunbi Mulla	64	19	83	B*
45	515	Priyanka.Manguli	58	19	77	B
46	531	Kanyakumari.Hutagi	54	19	73	B
47	536	Vidyashree.Gotyal	78	18	96	A*
48	563	Shilpa.Dalwai	69	18	87	A
49	564	Hemavati.Khandekar	73	19	92	A*
50	568	Archana.Patil	54	19	73	B

GRADES : 91-100= A*, 81-90=A, 71-80= B,* 61-70= B, 70-80=G

Head of the Department
S.B.Arts & K.C.P.Science College,
Vijayapur.

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Principal,
S. B. Arts & KCP Sc
Bilnur

Head of the
Department of Zoology
S.B. Arts & K.C.P. Sc College
VIJAYAPUR.

**B.L.D.E Association's
SB ARTS & K.C.P.SCIENCE COLLEGE BIJAPUR
DEPARTMENT OF ZOOLOGY
VALUE ADDED COURSE
VERMITECHNOLOGY**


REPORT

Department of Zoology has conducted Value added course for B.sc II sem students on Vermitechnology for the academic year 2016-17. The duration of certificate course is 30 hrs. Theory and practical classes were conducted for 50 students who have enrolled their names for the course.

Vermicomposting is a simple technology for converting half decomposed organic waste into organic compost with the help of Earthworms. On one hand organic farming is gaining its popularity. And on the other hand Solid Waste Management problem has been an issue of global threat. The best option to merge these through Vermicomposting.

In our college, we have conducted this course to educate the students with the importance of vermitechnology. The main aim of the course is to provide full proof knowledge of subject, Bring about decomposition of organic matter, Decreases the use of chemical Fertilizers which can damage the soil Properties, To enhances the plant growth and yield, increases the water retention capacity of the soil and it can be a best option for entrepreneurship.

Training the students with all the above mentioned advantages of vermitechnology, we have prepared vermicompost, At the end of the course, we have collected 210 kg of vermicompost which is called as "BLACK GOLD. It was utilized for the college garden as nutrient rich organic fertilizer which has made tremendous changes in the plant growth.


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Vijayapur.


Principal,
S.B. Arts and KCP Science College
VIJAYAPUR



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S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. PRACHI . PATIL

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016-17

Patil
Head of the Department
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]
Co-Ordinator, IQAC

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IQAC, Co-ordinator,
S.B.Arts & K.C.P.Science College,
Vijayapur.

[Signature]
Principal



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S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. Mahatesh. Kawkabbi

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016-17

Spatil
Head of the Department
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]
Co-Ordinator, IQAC

[Signature]
IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

[Signature]
Principal



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S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. Sneha. Bisnal

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016-17

Spatil
Head of the Department

[Signature]
Principal,
S.B. Arts and K.C.P. Science College
VIJAYAPUR

[Signature]
Co-Ordinator, IQAC

[Signature]
IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

[Signature]
Principal



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S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative



VALUE ADDED COURSE

Certificate

This is to certify that Mr./Ms. VEERESH. KULAGERI

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016-17


Principal,

S.B. Arts and KCP Science College

Head of the Department VIJAYAPUR Co-Ordinator, IQAC



IQAC, Co-ordinator

S.B.Arts & K. C. P. Science College,
Vijayapur.

Principal





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 Internal Quality Assurance Cell Initiative
VALUE ADDED COURSE

Certificate

This is to certify that Mr./Ms. SOMANATH. BAGALKOT
 has Completed the Value Added Course on VERMITECHNOLOGY
 Conducted by the Department of ZOOLOGY during the
 Year 2016-17

[Signature]
 Head of the Department
 S.B. Arts and KCP Science College
 VIJAYAPUR

[Signature]
 Co-Ordinator, IQAC

[Signature]
 IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur.
[Signature]
 Principal



B.L.D.E. Association's



**SB ARTS AND KCP SCIENCE COLLEGE,
VIJAYAPUR-586103**

DEPARTMENT OF ZOOLOGY



**VALUE ADDED COURSE IN
VERMITECHNOLOGY**

2016



B.L.D.E.ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE, VIJAYAPUR
ACCREDITED at 'A' Grade in 3rd Cycle by NAAC
Phone: (08352) – 261766, (08352) 262770 Extn. 2223, 2224
Fax: 08352 – 261766 E-mail: bldeasbkcp@gmail.com Web: www.bldeasbkcp.org



Date:02.07.2016

DEPARTMENT OF ZOOLOGY

NOTICE

It is hereby informed to the students of B.Sc I semester that the Department of zoology is conducting Value added course in Vermitechnology from 04.07.2016 To 25.10.2016. So the interested students can register their names before 04.07.2016.

Hentil
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Vijayapur.

205
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

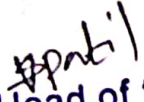
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DEPARTMENT OF ZOOLOGY
VALUE ADDED COURSE IN VERMITECHNOLOGY

List of Faculty for Academic Year 2016-17

1. Prof.(Smt).V.S.Patil.
2. Prof. B.S. Bagali.
3. Prof. S.B.Savalagi.


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DEPARTMENT OF ZOOLOGY

VALUE ADDED COURSE IN VERMITECHNOLOGY

Student Admission list-2016

Sl.No	Roll No	Name
1	11	Pratima . Hanji
2	17	Tejashwini . mantri
3	36	Malashree . Chavan
4	42	Shweta .Rajaput
5	48	Shusmita .Bilur
6	66	Gajanan.Chakundi
7	71	Vidya . Hiremath
8	77	Supriya.Nikkam
9	79	Pavankumar . Policepatil
10	89	Soumya .Sheelwatmath
11	99	Pooja . Desai
12	100	Priya .Tole
13	118	Mallangouda.Patil
14	148	Rahees. Ustad
15	150	Avinash.parulekar
16	153	Sandeep . Rathod
17	154	Shweta . Bijapur
18	158	Vikas . Jadhav
19	166	Tejashwini .Chavan
20	187	Priya . Gabasavalgi
21	211	Santosh.Melinamani
22	214	Mahesh .Prasanahalli
23	219	Sangmesh.Mudhol
24	233	Shweta . Rugi
25	235	Veenakumari . Biradar

Sl.No	Roll No	Name
26	270	Varsha . Topi
27	298	Shweta . kamogand
28	318	Ambadas.Hamelpure
29	323	Shweta . Kenganal
30	327	Aditya . Salunke
31	335	Pranesh . Kanolli
32	339	Rahul.Bagali
33	342	Shivangouda.Biradar
34	344	Priya . Patil
35	349	Mallappa.Patil
36	350	Devendra.Biradar
37	353	Rahul.Patill
38	396	Shivaraj.Bairmadi
39	398	Megha . Kubasad
40	428	Manoj . Dudagi
41	436	Chaitra . Mayur
42	470	Laxman.Chattarki
43	472	Shivani .Naykodi
44	476	Sunil.pawar
45	496	Preeti . Pawar
46	500	Shashikant.Rathod
47	509	Keerti . Mudebihal
48	532	Sandeep.Kudiganur
49	533	Akshata .Pattanad
50	535	Kavita. Enagi

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PRINCIPAL
 B.L.D.E.A's S.B. Arts & K.C.P
 Science College, Vijayapur.

TQAC, Co-ordinator
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Wafat
 Head of the
 Department of Zoology
 S.B. Arts & K.C.P. Sc College
 VIJAYAPUR.

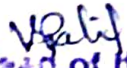
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DEPARTMENT OF ZOOLOGY

VALUE ADDED COURSE IN VERMITECHNOLOGY

TIME -TABLE - 2016-17

Sl. No	DAY	TIME
1	Monday	05:00-06:00pm
2	Tuesday	05:00-06:00pm


PRINCIPAL
B.L.D.E.A's S.B. Arts & K.C.P.
Science College, Vijayapur.


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S.B.ARTS & KCP SCIENCE COLLEGE, VIJAYAPUR
VALUE ADDED COURSE - VERMITECHNOLOGY
PAPER CODE - SBKCPZOO-01

Objectives: 1) To impart training on Earthworm culture technology
2) To create knowledge on Self-Employment opportunity

Maximum Marks-100

Total Hours-30

UNIT-I
INTRODUCTION

Definition and concept of vermiculture. Scope of vermiculture .Importance of soil organisms in vermiculture .
Advantages of vermiculture.

UNIT-II
BIOLOGY OF EARTHWORM

Types of Earthworm. External, Digestive system ,Reproductive system . Life cycle , cocoon formation and population of earthworms .

UNIT-III
VERMICOMPOSTING TECHNIQUE AND METHODS

Preparation of small scale/ indoor Vermicomposting technique. Preparation of large scale/ outdoor Vermicomposting technique . Small scale Vermicomposting method . Large scale Vermicomposting method.

UNIT-IV
MANAGEMENT OF VERMICOMPOST

Selection of site and Earthworms. Factors affecting Vermicomposting – pH, Moisture, Temperature. Harvesting , Storage, Marketing and Applications of vermicompost .

UNIT-V
PRODUCTS OF VERMICULTURE

Vermicompost and its nutritive value(N.P.K). Vermiwash, Vermitea.

UNIT-VI
NATURAL ENEMIES OF EARTHWORM

Pests, parasites and pathogens affecting earthworm. Uses of earthworms in food and medicine - ayurvedic and unani. Recycling of food wastes in vermiculture

EXAMINATION PATTERN

THEORY		
ANNUAL	FIELDWORK	TOTAL MARKS
80	20	100

REFERENCES

1. Introduction to Economic Zoology by S.Sarkar, G.Kundu and K.K.Chaki,2014. New Central Book Agency Ltd. London.
2. Applied Zoology by N.Arumugam, T.Murugan, J.J.Rajeswar and R.R.Prabu, 2015. SARAS PUBLICATION, Nagarcoba.
3. Economic Zoology by Upadhyay et.al.
4. Economic Zoology by Javed.
5. Earthworm ecology by C.A.Edwards,1998. CRC press, Florida.
6. Earthworm and Vermicomposting, Indian J Biotech 3:486.496.

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VIJAYAPUR

S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR
DEPARTMENT OF ZOOLOGY- Vermitechnology

Attendance 2016-17

Sl.No	Roll.No	Name	4/7	5/7	11/7	12/7	18/7	19/7	25/7	26/7	1/08	02/08	08/08	9/08	15/08	16/08	22/08
1	11	Pratima . Hanji	P	P	P	P	P	AB	P	P	P	P	P	P	P	P	AB
2	17	Tejashwini . mantri	P	P	P	AB	P	P	P	P	P	P	P	P	P	P	AB
3	36	Malashree . Chavan	Mal	Mal	Mal	Mal	Mal	Mal	Mal	AB	Mal	Mal	Mal	Mal	Mal	Mal	AB
4	42	Shweta .Rajaput	shu	shu	AB	shu	shu	shu	AB	shu	shu	shu	shu	shu	shu	shu	shu
5	48	Shusmita .Bilur	shu	shu	shu	shu	shu	shu	shu	shu	shu	shu	shu	shu	shu	AB	shu
6	66	Gajanan.Chakundi	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	Ge	AB	AB
7	71	Vidya . Hiremath	V	V	V	AB	V	V	V	V	V	V	V	V	AB	AB	V
8	77	Supriya.Nikkam	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	AB	AB	V
9	79	Pavankumar .Policepatil	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	AB	AB
10	39	Soumya .Sheelwatmath	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	AB	AB
11	99	Pooja . Desai	Pa	Pa	Pa	AB	Pa	Pa	Pa	Pa	AB	Pa	Pa	Pa	Pa	Pa	Pa
12	100	Priya .Tole	Pya	Pya	Pya	Pya	Pya	Pya	Pya	Pya	AB	Pya	Pya	AB	AB	Pya	AB
13	118	Mallangouda.Patil	Pa	Pa	Pa	Pa	Pa	Pa	Pa	AB	Pa	Pa	Pa	AB	Pa	Pa	Pa
14	148	Rahees .Ustad	Ru	Ru	Ru	AB	Ru	Ru	Ru	AB	Ru	Ru	AB	Ru	Ru	Ru	Ru
15	150	Avinash.parulekar	Au	Au	Au	AB	Au	Au	Au	Au	Au	Au	Au	AB	Au	Au	Au
16	153	Sandeep . Rathod	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
17	154	Shweta . Bijapur	Sh	Sh	Sh	AB	Sh	Sh	Sh	Sh	AB	Sh	Sh	AB	Sh	Sh	Sh
18	158	Vikas . Jadhav	Va	Va	AB	Va	AB	Va	Va	Va	Va	AB	Va	AB	Va	AB	Va
19	166	Tejashwini .Chavan	Ta	Ta	AB	Ta	Ta	Ta	Ta	AB	Ta	Ta	AB	Ta	Ta	Ta	Ta
20	181	Priya . Gabasavalgi	P	P	AB	P	P	P	AB	P	P	P	P	P	P	AB	P
21	183	Santosh.Melinamani	S	S	AB	S	S	S	S	S	AB	S	S	S	S	AB	S
22	214	Mahesh.Prasanahalli	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma	Ma
23	219	Sangmesh.Mudhol	Se	Se	Se	Se	Se	Se	AB	Se	Se	Se	Se	Se	Se	Se	AB
24	223	Shweta . Rugi	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh	Sh
25	225	veenakumari .Biraadar	Va	AB	Va	Va	Va	AB	Va	Va	Va	Va	Va	Va	AB	Va	Va
26	230	Varsha . Topi	AB	AB	Va	AB	Va	Va	Va	Va	Va	Va	Va	Va	Va	Va	Va

(continued)

27	298	Shweta . kamogand	S.k	S.k	S.k	AB	S.k	AB	S.k	AB	S.k	AB	S.k	J.k	S.B	S.k	S.k
28	318	Ambadas.Hamelpure	S.k	S.k	S.k	AB	S.k	AB	S.k	AB	S.k	AB	S.k	J.k	S.B	S.k	S.k
29	323	Shweta . Kenganal	b.k	S.k	J.k	S.k	S.k	J.k	AB	S.k	J.k	J.k	AB	J.k	J.k	J.k	J.k
30	327	Aditya . Salunke	S	AB	AB	S	S	S	AB	S	S	AB	S	S	S	S	AB
31	335	Pranesh . Kanolli	Po	Po	Po	Po	AB	Po	Po	Po	Po	AB	Po	Po	Po	Po	AB
32	339	Rahul.Bagali	BB	BB	AB	BB	BB	AB	BB	AB	BB	BB	AB	BB	BB	BB	BB
33	342	Shivangouda.Biradar	Sh	Sh	Sh	Sh	Sh	Sh	AB	Sh	Sh	AB	Sh	Sh	Sh	Sh	AB
34	344	Priya . Patil	Priya	Priya	Priya	AB	Priya	Priya	AB	Priya	Priya	AB	Priya	Priya	Priya	Priya	AB
35	349	Mallappa.Patil	Mall	Mall	Mall	Mall	Mall	AB	Mall	Mall	Mall	AB	Mall	Mall	Mall	Mall	AB
36	350	Devendra.Biradar	BB	BB	BB	BB	BB	BB	AB	BB	BB	AB	BB	BB	BB	BB	BB
37	353	Rahul.Patill	RP	AB	RP	RP	RP	RP	AB	RP	RP	AB	RP	RP	RP	RP	RP
38	396	Shivaraj.Bairmadi	Shiv	Shiv	AB	Shiv	AB	Shiv	AB	Shiv	Shiv	Shiv	AB	Shiv	Shiv	Shiv	Shiv
39	398	Megha . Kubasad	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	Megh	AB
40	428	Manoj . Dudagi	Man	AB	Man	Man	Man	Man	Man	Man	Man	Man	Man	Man	Man	Man	AB
41	436	Chaitra . Mayur	Cha	Cha	AB	Cha	Cha	Cha	AB	Cha	AB	Cha	Cha	Cha	Cha	Cha	Cha
42	470	Laxman.Chattarki	L	L	L	L	L	L	AB	L	L	L	L	L	L	L	L
43	472	Shivani .Naykodi	S.N	L.N	AB	S.N	L.N	AB	S.N	L.N	L.N	AB	S.N	L.N	L.N	L.N	AB
44	476	Sunil.pawar	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	AB	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil	Sunil
45	496	Preeti . Pawar	PP	PP	AB	PP	AB	PP	PP	PP	PP	PP	AB	PP	PP	PP	PP
46	500	Shashikant.Rathod	SD	SA	SD	SD	SD	AB	SD	SD	SD	AB	SD	SD	SD	SD	SD
47	509	Keerti . Mudebihal	Kee	Kee	Kee	Kee	Kee	Kee	Kee	Kee	Kee	AB	Kee	Kee	Kee	Kee	Kee
48	532	Sandeep.Kudiganur	Se	AB	Se	Se	Se	AB	Se	Se	Se	Se	AB	Se	Se	Se	Se
49	533	Akshata .Pattanad	Atk	Atk	Atk	Atk	Atk	AB	Atk	AB	Atk	AB	Atk	Atk	Atk	Atk	Atk
50	535	Kavita . Enagi	Kavit	Kavit	Kavit	Kavit	Kavit	Kavit	Kavit	Kavit	Kavit	AB	Kavit	AB	Kavit	AB	Kavit

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 DEPARTMENT OF ZOOLOGY
 VALUE ADDED COURSE IN VERMITECHNOLOGY


ATTENDANCE 2016-17

SL.No	Roll no	Name	23/08	29/08	3/09	5/9	6/9	12/9	13/9	19/9	20/9	26/9	27/9	3/10	4/10	10/10	11/10	
1	11	Pratima . Hanji	P	P	P	Ab	P	P	P	P	P	P	P	P	P	Ab	P	
2	17	Tejashwini . mantri	P	P	P	Ab	P	P	P	P	P	P	P	P	P	P	P	
3	36	Malashree . Chavan	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	Mal	
4	42	Shweta .Rajaput	Shu	Shu	Ab	Shu	Shu	Shu	Shu	Shu	Ab	Shu	Shu	Shu	Shu	Shu	Shu	
5	48	Shusmita .Bilur	Shu	Shu	Shu	Shu	Shu	Shu	Ab	Shu	Shu	Shu	Shu	Shu	Shu	Ab	Shu	
6	66	Gajanan.Chakundi	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	Eye	
7	71	Vidya . Hiremath	Ab	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	77	Supriya.Nikkam	Sup	Sup	Sup	Sup	Ab	Sup	Sup	Sup	Ab	Sup	Sup	Sup	Sup	Sup	Sup	
9	79	Pavankumar . Policepatil	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Ab	Pa
10	89	Soumya Sheelwatmath	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	Ps	
11	99	Pooja . Desai	Psd	Psd	Psd	Ab	Psd	Psd	Psd	Psd	Psd	Psd	Psd	Ab	Psd	Psd	Psd	
12	100	Priya .Tole	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Pry	Ab	Pry	Ab
13	118	Mallangouda.Patil	Ab	P	P	P	P	P	Ab	P	P	P	P	P	P	P	P	
14	148	Rahees. Ustad	Pu	Pu	Ab	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Ab	Pu	Pu	Pu	
15	150	Avinash.parulekar	Ab	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
16	153	Sandeep . Rathod	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
17	154	Shweta . Bijapur	Ab	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
18	158	Vikas . Jadhav	P	P	P	P	P	P	P	P	Ab	P	P	P	Ab	P	P	
19	166	Tejashwini .Chavan	Tej	Tej	Ab	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Tej	Ab	
20	187	Priya . Gabasavalgi	P	P	P	P	P	P	P	P	P	P	P	Ab	P	P	P	
21	211	Santosh.Melinamani	Ab	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
22	214	Mahesh .Prasanahalli	Ab	P	P	P	P	P	Ab	Ab	P	P	P	P	P	P	Ab	
23	219	Sangmesh.Mudhol	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Sup	Ab	Sup	Sup	Sup	Sup	Sup	Sup	
24	233	Shweta . Rugi	Ab	P	P	P	P	P	Ab	P	P	P	P	P	P	P	Ab	

continued

25	235	Veenakumari . Biradar	Ab
26	270	Varsha . Topi	Ab
27	298	Shweta . kamogand	Ab
28	318	Ambadas.Hamelpure	Ab
29	323	Shweta . Kenganal	Ab
30	327	Aditya . Salunke	Ab
31	335	Pranesh . Kanolli	Ab
32	339	Rahul.Bagali	Ab
33	342	Shivangouda.Biradar	Ab
34	344	Priya . Patil	Ab
35	349	Mallappa.Patil	Ab
36	350	Devendra.Biradar	Ab
37	353	Rahul.Patill	Ab
38	396	Shivaraj.Bairmadi	Ab
39	398	Megha . Kubasad	Ab
40	428	Manoj . Dudagi	Ab
41	436	Chaitra . Mayur	Ab
42	470	Laxman.Chattarki	Ab
43	472	Shivani .Naykodi	Ab
44	476	Sunil.pawar	Ab
45	496	Preeti . Pawar	Ab
46	500	Shashikant.Rathod	Ab
47	509	Keerti . Mudebihal	Ab
48	532	Sandeep.Kudiganur	Ab
49	533	Akshata .Pattanad	Ab
50	535	Kavita . Enagi	Ab

Spatil
Head of the
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IQAC, Co-ordinator
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Principal,
S.B. Arts and KCP Science College
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B.L.D.E.ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE, VIJAYAPUR
ACCREDITED at 'A' Grade in 3rd Cycle by NAAC

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Web: www.bldeasbkcp.org



Date: 25.10.2016

DEPARTMENT OF ZOOLOGY

VALUE ADDED COURSE IN VERMITECHNOLOGY

NOTICE

All the students of B. Sc I semester who have enrolled their name for the value added course in Vermitechnology are here by informed to attend the examination to be held on 29.10.2016 at 09.00am-12.00pm

PRINCIPAL
B.L.D.E.A's S.B. Arts & K.C.P
Science College, Vijayapur.

IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
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Head of the Department
Head of the
Department of Zoology
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BIJAPUR.

B.L.D.E. Association's
S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR
DEPARTMENT OF ZOOLOGY
VALUE ADDED COURSE IN VERMITECHNOLOGY

Paper-Vermitechnology 2016

Time -3 Hours

Max Marks: 80

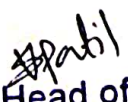
Q.1) Answer any four of the following:

20X5=80

1. Describe the vermicompost technique.
2. Explain management of vermicompost.
3. Explain reproduction of earthworm.
4. Describe scope and advantages of vermiculture.
5. Explain the products of vermiculture


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S.B.Arts & K.C.P Sc. College,
VIJAYAPUR.

S.B. ARTS & K.C.P SCIENCE COLLEGE, VIJAYAPUR**VALUE ADDED COURSE INVERMITECHNOLOGY****RESULTS -2016-17**

SL.No	Roll.No	Name	Theory	Field work	Total	Result
1	11	Pratima . Hanji	74	18	93	A*
2	17	Tejashwini . mantri	64	19	83	B*
3	36	Malashree . Chavan	78	17	92	A*
4	42	Shweta .Rajaput	54	18	72	B
5	48	Shusmita .Bilur	72	19	91	A*
6	66	Gajanan.Chakundi	76	17	93	A*
7	71	Vidya . Hiremath	76	18	94	A*
8	77	Supriya.Nikkam	63	17	80	B
9	79	Pavankumar . Policepatil	58	19	77	B
10	89	Soumya .Sheelwatmath	69	17	86	B*
11	99	Pooja . Desai	75	18	93	A*
12	100	Priya .Tole	74	17	91	A*
13	118	Mallangouda.Patil	65	19	84	B*
14	148	Rahees. Ustad	75	18	93	A*
15	150	Avinash.parulekar	78	17	95	A*
16	153	Sandeep . Rathod	68	19	87	B*
17	154	Shweta . Bijapur	53	17	70	B
18	158	Vikas . Jadhav	56	17	73	B
19	166	Tejashwini .Chavan	65	17	82	B*
20	187	Priya . Gabasavalgi	78	18	93	A*
21	211	Santosh.Melinamani	58	19	77	B
22	214	Mahesh .Prasanahalli	72	18	90	B*
23	219	Sangmesh.Mudhol	53	18	71	B
24	233	Shweta . Rugi	72	17	89	B*
25	235	Veenakumari . Biradar	76	17	90	B*
26	270	Varsha . Topi	78	18	96	A*
27	298	Shweta . kamogand	59	19	78	B
28	318	Ambadas.Hamelpure	60	18	75	B
29	323	Shweta . Kenganal	54	19	73	B
30	327	Aditya . Salunke	56	17	73	B
31	335	Pranesh . Kanolli	64	17	81	B*
32	339	Rahul.Bagali	62	19	81	B*
33	342	Shivangouda.Biradar	58	17	75	B
34	344	Priya . Patil	75	18	93	A*
35	349	Mallappa.Patil	56	19	72	B
36	350	Devendra.Biradar	54	17	71	B
37	353	Rahul.Patill	56	19	72	B
38	396	Shivaraj.Bairmadi	58	17	75	B
39	398	Megha . Kubasad	72	19	91	A*
40	428	Manoj . Dudagi	68	17	85	B*
41	436	Chaitra . Mayur	69	18	87	B*
42	470	Laxman.Chattarki	64	19	83	B*
43	472	Shivani .Naykodi	65	17	82	B*
44	476	Sunil.pawar	74	18	92	A*
45	496	Preeti . Pawar	68	19	87	B*
46	500	Shashikant.Rathod	64	18	82	B*
47	509	Keerti . Mudebihal	71	17	88	B*
48	532	Sandeep.Kudiganur	70	18	88	B*
49	533	Akshata .Pattanad	63	19	82	B*
50	535	Kavita. Enagi	70	17	87	B*

GRADES: 91-100= A*, 81-90=A, 71-80= B,* 61-70= B, 70-60=C

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Principal,
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Bijapur

Head of the
Department of Zoology
S.B. Arts & K.C.P. Sc College

B.L.D.E Association's
SB ARTS & K.C.P.SCIENCE COLLEGE BIJAPUR
DEPARTMENT OF ZOOLOGY
VALUE ADDED COURSE
VERMITECHNOLOGY

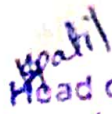
REPORT

Department of Zoology has conducted Value added course for B.sc I sem students on Vermitechnology for the academic year 2016. The duration of certificate course is 30 hrs. Theory and practical classes were conducted for 50 students who have enrolled their names for the course.


Vermicomposting is a simple technology for converting half decomposed organic waste into organic compost with the help of Earthworms. On one hand organic farming is gaining its popularity. And on the other hand Solid Waste Management problem has been an issue of global threat. The best option to merge these through Vermicomposting.

In our college, we have conducted this course to educate the students with the importance of vermitechnology. The main aim of the course is to provide full proof knowledge of subject, Bring about decomposition of organic matter, Decreases the use of chemical Fertilizers which can damage the soil Properties, To enhances the plant growth and yield, increases the water retention capacity of the soil and it can be a best option for entrepreneurship.

Training the students with all the above mentioned advantages of vermitechnology, we have prepared vermicompost, At the end of the course, we have collected 200 kg of vermicompost which is called as "BLACK GOLD. It was utilized for the college garden as nutrient rich organic fertilizer which has made tremendous changes in the plant growth.


Head of the
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S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. RAHEES. USTAD

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016

Spatil
Head of the Department

[Signature]
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]
Co-Ordinator, IQAC

[Signature]
IQAC, Co-ordinator
S.B. Arts & K.C.P. Science College,
Vijayapur.

[Signature]
Principal



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Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate



This is to certify that Mr./Ms. POOTA DESAI

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016

Spatil
Head of the Department

[Signature]
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]
Co-Ordinator, IQAC

[Signature]
IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur.

[Signature]
Principal



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Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

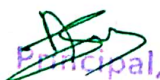
Certificate

This is to certify that Mr./Ms. PAVANKUMAR. POLICEPATIL

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year _____


Principal,

S.B. Arts and KCP Science College
VIJAYAPUR



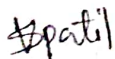
Co-Ordinator, IQAC


IQAC, Co-ordinator

S.B. Arts & K.C.P. Science College,
Vijayapur.



Principal



Head of the Department



B. L. D. E. Association's

S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate

This is to certify that Mr./Ms. VIDYA . HIREMATH

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016

Spati
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR
Head of the Department

[Signature]
Co-Ordinator, IQAC

[Signature]
IQAC, Co-ordinator
S.B.Arts & K.C.P.Science College,
Vijayapur. *195*
Principal



B. L. D. E. Association's
S.B. ARTS & K.C.P. SCIENCE COLLEGE, VIJAYAPUR

(Re-Accredited by NACC at 'A' Level in 3rd Cycle)

Internal Quality Assurance Cell Initiative

VALUE ADDED COURSE

Certificate

This is to certify that Mr./Ms. GAJANAN. CHAKUNDT

has Completed the Value Added Course on VERMITECHNOLOGY

Conducted by the Department of ZOOLOGY during the

Year 2016

Spatil
Head of the Department
Principal,
S.B. Arts and KCP Science College
VIJAYAPUR

[Signature]
Co-Ordinator, IQAC

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Vijayapur.
[Signature]
Principal