

Shri Sarda Education Society's
(A Linguistic Minority Educational Institute)
Smt Radhabai Sarda Arts, Commerce and Science College Anjagaon Surji

Department of Zoology
Academic Session: 2019-2020

To

The Principal,
Smt Radhabai Sarda Arts, Commerce &
Science College, Anjagaon Surji

Subject: Regarding permission for conducting Add on Course entitled "Vermicompost" during the academic session 2019-2020.

Hon'ble Sir,

With reference to the above subject, I request you to grant us permission for conducting the said course in the department of Zoology. The duration of the course will be 30 hours (1 hour X 30 working days). The syllabus of the course is enclosed herewith this letter for your kind consideration. The course will be fruitful for the students in mind their development for agriculture and organic farming.

With regards,

Principal

Date: 16/01/2020

Place: Anjagaon Surji

Coordinator Head, Department of Zoology


HEAD
Department of Zoology
Smt. Radhabai Sarda College
Anjagaon Surji

Enclosures: .

1. Syllabus of the Certificate Course


Yours Faithfully,


Principal
Smt. Radhabai Sarda College Of
Arts, Commerce & Science
Anjagaon Surji

Shri Sarda Education Society's
(A Linguistic Minority Educational Institute)

Smt Radhabai Sarda Arts, Commerce & Science College Anjangaon Surji

Department of Zoology

NOTICE

Date: 18th January 2020

All the faculty members of department are informed that a departmental meeting related to Add on course is arranged on 18th January 2020 at 11:30 AM at the department of Zoology. You all are requested to present for the meeting with some innovative ideas. The agendas of the meeting are as follows.

1. To decide the topic and design syllabus
2. To frame the time table
3. Student will be taken to field visit, during the course for practical knowledge
4. Exam will be conducted after completion of the course.

S.G. Chhaba
Coordinator

Miss S G Chhaba

Faculty Members:

Miss M R Yeotkar
Miss M G Kalmegh
Miss C S Pawar

S.K. Zilpe
Head, Department of Zoology

Dr S K Zilpe

HEAD

Department of Zoology
Smt. Radhabai Sarda College
Anjangaon Surji

Principal
Principal

Smt. Radhabai Sarda College Of
Arts, Commerce & Science
Anjangaon Surji

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Department of Zoology

MINUTES OF THE MEETING

Department of Zoology organized a departmental meeting on 18th January 2020 to start an add on course of vermicompost. The minutes of the meeting are as follows.

1. It was unanimously decided to start certificate course for 30 Hours
2. Distributed the unit wise syllabus among the faculty members.
3. Decided the topic and designed a syllabus
4. Framed the time table
5. Exam would be conducted after completion of the course.

S. G. Chhabra


HEAD
Department of Zoology
Smt. Radhabai Sarda College
Anjangaon Surji


Principal
Smt. Radhabai Sarda College Of
Arts, Commerce & Science
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Department of Zoology

NOTICE

Date: 22nd January 2020

All the students of BSc II and BSc III are hereby informed that the Department of Zoology is going to start *Add on Course of vermicompost* from 05th February 2020 to 14th March 2020. Students, who are interested to participate in the said course, can confirm their admission on or before 2nd February 2020.

S.G. Chhaba
Coordinator

Miss S G Chhaba

Dr S K Zilpe
Head, Department of Zoology

Dr S K Zilpe
HEAD
Department of Zoology
Smt. Radhabai Sarda College
Anjangaon Surji

Principal
Principal
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Department of Zoology

Add on Course on vermicompost

Academic Session: 2019-2020

SYLLABUS

Unit I: (04 Lectures= 04 Hours)

- 1.1 Vermi Culture: Definition and general introduction
- 1.2 Evolution and Aim of Vermi culture.
- 1.3 Scope importance and present status in India

Unit II: (07 Lectures= 07 Hours)

- 2.1 Species of Earthworm use in vermicompost
- 2.2 Ideal Environmental conditions for different earthworm species
- 2.3 Rearing of Earthworm species.
- 2.2.2 Food and feeding of earthworm

Unit III: (06 Lectures= 06Hours)

- 3.1 Requirements of vermicomposting
- 3.2 Raw material required for vermicompost production
- 3.3 Construction of vermicompost bed.

Unit IV: (06 Lectures= 06 Hours)

- 4.1 Methods of Preservation of vermicompost.
- 4.2 Chemical Composition of vermicompost
- 4.3 Advantages of vermicompost over chemical fertilizers.
- 4.4 Marketing of vermicompost.


Principal

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Unit V:(07Lectures= 07 Hours)

- 5.1 Methods of Preservation of vermicompost.
- 5.2 Chemical Composition of vermicompost
- 5.3 Advantages of vermicompost over chemical fertilizers.
- 5.4 Marketing of vermicompost.

Reference Books:

- 1. Vermiculture and vermicomposting: Peter Dvies.
- 2. Worm Farming: Danny Gansneder.
- 3. Worm Farming: Brain Grant.
- 4. Vermiculture Technology: Clive Edwards, Norman Arancon and Rhonda Sherman.
- 5. Earthworm ecology: Clive Edwards.

S.C. Chhabra


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Department of Zoology

Add on Course on Vermicompost

TIME TABLE

Academic Session: 2019-2020

SN	DATE	TIME	TOPIC
1	5 February 2020	11.00 AM to 12:30 AM	Inauguration and interactive session with guest
2	06-10 February 2020	09.00AM to 10.00AM	Unit I
3	11-18 February 2020	09.00AM to 10.00AM	Unit II
4	20-27 February 2020	09.00AM to 10.00AM	Unit III
5	28 February 05 March 2020	09.00AM to 10.00AM	Unit IV
6	06-14 March 2020	09.00AM to 10.00AM	Unit V
7	16 March 2020	09.00AM to 10.00AM	Exam

S.G. Chhabra
Coordinator

[Signature]
Head, Department of Zoology

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Department of Zoology
Smt. Radhabai Sarda College
Anjagaon Surji

[Signature]
Principal
Principal
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Department of Zoology
Academic Session : 2019-2020

Examination of Add on Course on Vermicompost

SN	NAME OF STUDENT	CLASS	DATE	SIGNATURE
1	Ku Sanjivani S Khandare	BScIII		<i>S. S. Khandare</i>
2	Ku Sakshi T Barabde	BScIII		<i>Sakshi T. Barabde</i>
3	Ku. Pragati Y Kadu	BScIII		<i>Pragati Y. Kadu</i>
4	Ku. Samreen Firdous M Saleem	BScIII		<i>Samreen Firdous M Saleem</i>
5	Ku. Kanchan G Aswar	BScIII		<i>Kanchan G Aswar</i>
6	Ku. Shadab Tasneem M Waseem	BScIII		<i>Shadab Tasneem M Waseem</i>
7	Ku Komal D Malve	BScIII		<i>K. D. Malve</i>
8	Ku Diksha S Gite	BScIII		<i>D. S. Gite</i>
9	Ku Dikshita G Surjuse	BScIII		<i>Absent</i>
10	Ku Shivani R Dudhe	BScIII		<i>Shivani R Dudhe</i>
11	Ku Rohini V Patil	BScIII		<i>Rohini V Patil</i>
12	Ku Sakshi R Aware	BScIII		<i>Sakshi R Aware</i>
13	Ku Nikita B Ingale	BScIII		<i>Nikita B Ingale</i>
14	Ku Harsha A Bhamburkar	BScIII		<i>Harsha A Bhamburkar</i>
15	Ku Harshali A Rekhate	BScIII		<i>Harshali A Rekhate</i>
16	Ku Vaishali G Adhau	BScIII		<i>Vaishali G Adhau</i>
17	Ku Yogita S Payghan	BScIII		<i>Y. S. Payghan</i>
18	Ku Minal A Date	BScIII		<i>Minal A Date</i>
19	Ku Prapti A More	BScIII		<i>P. M. More</i>
20	Mr Pratik J Dhule	BScIII		<i>P. J. Dhule</i>
21	Mr Kaushal R Kale	BScIII		<i>K. R. Kale</i>
22	Ku Sakshi N Lahane	BScIII		<i>Sakshi N Lahane</i>

[Signature]
Principal

23	Ku Ashwini R Kadu	BScIII		<u>A.R.Kadu</u>
24	Ku Vaishnavi N Gawande	BScIII		<u>V.N.Gawande.</u>
25	Ku Samiksha S Lahane	BScIII		<u>S.S.Lahane</u>
26	Ku Vaishnavi V Hurbade	BScIII		<u>V.V.Hurbade.</u>
27	Ku Rutuja N Padole	BScIII		<u>R.N.Padole</u>
28	Ku Apeksha M Gawande	BScIII		<u>A.M.Gawande</u>
29	Ku Megha P Bhad	BScIII		<u>M.P.Bhad</u>
30	Ku Vishala P Patil	BScIII		<u>V.P.Patil</u>
31	Ku Vaishali R Bore	BScIII		<u>V.R.Bore</u>
32	Ku Gayatri V Bondre	BScIII		<u>G.V.Bondre</u>
33	Ku Kiran S Bhaskar	BScIII		<u>K.S.Bhaskar</u>
34	Ku Prajakta A Thakare	BScIII		<u>P.A.Thakare</u>
35	Ku Prachi K Nipane	BScIII		<u>P.K.Nipane</u>
36	Ku Aishwarya S Hingankar	BScIII		<u>A.S.Hingankar</u>

S.G.Chhabra
Co-ordinator

Sidha
Head of the Department

HEAD
Department of Zoology
Smt. Radhabai Sarda College
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Department of Zoology
Academic Session:2019-2020

List of Enrolled students for Add on Course "Vermicompost"

SN	NAME OF THE STUDENT	CLASS	ID NO	SIGNATURE
1	Ku Sanjivani S Khandare	BScIII	5044	<u>S. S. Khandare</u>
2	Ku Sakshi T Barabde	BScIII	1045	<u>S. T. Barabde</u>
3	Ku. Pragati Y Kadu	BScIII	1095	<u>P. Y. Kadu</u>
4	Ku. SamreenFirdous M Saleem	BScIII	1566	<u>Samreen</u>
5	Ku. Kanchan G Aswar	BScIII	1123	<u>K. G. Aswar</u>
6	Ku. ShadabTasneem M Waseem	BScIII	1569	<u>Shadab</u>
7	Ku Komal D Malve	BScIII	1110	<u>K. D. Malve</u>
8	Ku Diksha s Gite	BScIII	1106	<u>D. S. Gite</u>
9	Ku Dikshita G Surjuse	BScIII	1111	<u>Absent</u>
10	Ku Shivani R Dudhe	BScIII	1127	<u>S. R. Dudhe</u>
11	Ku Rohini V Patil	BScIII	991	<u>R. V. Patil</u>
12	Ku Sakshi R Aware	BScIII	1044	<u>S. R. Aware</u>
13	Ku Nikita B Ingale	BScIII	1053	<u>N. B. Ingale</u>
14	Ku Harsha A Bhambukar	BScIII	1050	<u>H. A. Bhambukar</u>
15	Ku Harshali A Rekhate	BScIII	1129	<u>H. A. Rekhate</u>
16	Ku Vaishali G Adhau	BScIII	1000	<u>V. G. Adhau</u>

17	Ku Yogita S Payghan	BScIII	1048	<u>Y.S. Payghan</u>
18	Ku Minal A Date	BScIII	999	<u>M. A. Date</u>
19	Ku Prapti A More	BScIII	998	<u>P. A. More</u>
20	Mr Pratik J Dhule	BScIII	1005	<u>P. J. Dhule</u>
21	Mr Kaushal R Kale	BScIII	1012	<u>K. R. Kale</u>
22	Ku Sakshi N Lahane	BScIII	1101	<u>S. N. Lahane</u>
23	Ku Ashwini R Kadu	BScIII	992	<u>A. R. Kadu</u>
24	Ku Vaishnavi N Gawande	BScIII	995	<u>V. N. Gawande</u>
25	Ku Samiksha S Lahane	BScIII	1103	<u>S. S. Lahane</u>
26	Ku Vaishnavi V Hurbade	BScIII	1108	<u>V. V. Hurbade</u>
27	Ku Rutuja N Padole	BScIII	1096	<u>R. N. Padole</u>
28	Ku Apeksha M Gawande	BScIII	1119	<u>A. M. Gawande</u>
29	Ku Megha P Bhad	BScIII	1121	<u>M. P. Bhad</u>
30	Ku Vishala P Patil	BScIII	5555	<u>V. P. Patil</u>
31	Ku Vaishali R Bore	BScIII	5557	<u>V. R. Bore</u>
32	Ku Gayatri V Bondre	BScIII	1057	<u>G. V. Bondre</u>
33	Ku Kiran S Bhaskar	BScIII	996	<u>K. S. Bhaskar</u>
34	Ku Prajakta A Thakare	BScIII	1091	<u>P. A. Thakare</u>
35	Ku Prachi K Nipane	BScIII	1089	<u>P. K. Nipane</u>
36	Ku Aishwarya S Hingankar	BScIII	1090	<u>A. S. Hingankar</u>

S. G. Chhabra
Coordinator

S. G. Chhabra
Head of the Department
HEAD
Department of Zoology
Smt. Radhabai Sarda College
Anandgaon Surji

S. G. Chhabra
Principal
Principal
Smt. Radhabai Sarda College
Anandgaon Surji
Arts, Commerce & Science

18	Ku Minal A Date	Mak	Mak	Mak	Mak	Mak	Mak	AA	Mak	Mak	Mak	Mak	AA	Mak	Mak	Mak
19	Ku Prapti A More	P.m.more	P.m.more	P.m.more	P.m.more	P.m.more	P.m.more	P.m.more	AA	P.m.more	P.m.more	P.m.more	P.m.more	P.m.more	P.m.more	P.m.more
20	Mr Pratik J Dhule	P.J.Dhule	P.J.Dhule	AA	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	AA	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule
21	Mr Kaushal R Kale	RK	RK	RK	RK	RK	RK	AA	RK	RK	RK	RK	RK	RK	RK	RK
22	Ku Sakshi N Lahane	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL	SNL
23	Ku Ashwini R Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	AA	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu	A.R.Kadu
24	Ku Vaishnavi N Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	AA	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande
25	Ku Samiksha S Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	AA	S.S.Lahane	S.S.Lahane	S.S.Lahane
26	Ku Vaishnavi V Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	AA	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade
27	Ku Rutuja N Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	R.N.Padole	AA	R.N.Padole	R.N.Padole	R.N.Padole
28	Ku Apeksha M Gawande	A.M.Gawande	AA	A.M.Gawande	A.M.Gawande	A.M.Gawande	A.M.Gawande	AA	A.M.Gawande	A.M.Gawande	A.M.Gawande	A.M.Gawande	A.M.Gawande	A.M.Gawande	A.M.Gawande	A.M.Gawande
29	Ku Megha P Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	AA	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	AA	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad
30	Ku Vishala P Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	AA	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil	V.P.Patil
31	Ku Vaishali R Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore	V.R.Bore
32	Ku Gayatri V Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	AA	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre	G.V.Bondre
33	Ku Kiran S Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	AA	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar	K.S.Bhaskar
34	Ku Prajakta A Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare	P.A.Thakare
35	Ku Prachi K Nipane	P.K.Nipane	P.K.Nipane	AA	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane	P.K.Nipane
36	Ku Aishwarya S Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	AA	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar	A.S.Hingankar

S.C. Chhabra
Coordinator

Silpa
Head of the Department
HEAD
Department of Zoology
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Berny
Principal
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Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

Department of Zoology
Add on Course (Session: 2019-2020)
Attendance Sheet

Name of the Course: Vermicompost

SN	Name of participants	Signature														
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Ku Sanjivani S Khandare	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Ku Sakshi T Barabde	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Ku. Pragati Y Kadu	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>
4	Ku. Samreen Firdous	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>
5	Ku. Kanchan G Aswar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Ku. Shadab Tasneem	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	Ku Komal D Malve	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	Ku Diksha S Gite	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	Ku Dikshita G Surjuse	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA	AA
10	Ku Shivani R Dudhe	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>
11	Ku Rohini V Patil	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	Ku Sakshi R Aware	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	Ku Nikita B Ingale	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	Ku Harsha A Bhambukar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	Ku Harshali A Rekhate	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	Ku Vaishali G Adhau	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA
17	Ku Yogita S Payghan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	AA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

18	Ku Minal A Date	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male
19	Ku Prapti A More	P.m.mole	P.m.mole	AA	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole	P.m.mole
20	Mr Pratik J Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	AA	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule	P.J.Dhule
21	Mr Kaushal R Kale	(R)Kale	(R)Kale	(R)Kale	(R)Kale	(R)Kale	(R)Kale	(R)Kale	AA	(R)Kale	AA	(R)Kale	(R)Kale	(R)Kale	(R)Kale	(R)Kale
22	Ku Sakshi N Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane	S.N.Lahane
23	Ku Ashwini R Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	AA	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu	(A.R.)Kadu
24	Ku Vaishnavi N Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	AA	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande	V.N.Gawande
25	Ku Samiksha S Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane	S.S.Lahane
26	Ku Vaishnavi V Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	AA	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade	V.V.Hurbade
27	Ku Rutuja N Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	AA	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole	(R)N.Padole
28	Ku Apeksha M Gawande	(A.M.)Gawande	(A.M.)Gawande	AA	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande	(A.M.)Gawande
29	Ku Megha P Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	AA	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad	M.P.Bhad
30	Ku Vishala P Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	(V.P.)Patil	AA
31	Ku Vaishali R Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	AA	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore	(V.R.)Bore
32	Ku Gayatri V Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	AA	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre	(G.V.)Bondre
33	Ku Kiran S Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	AA	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar	(K.S.)Bhaskar
34	Ku Prajakta A Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	AA	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare	(P.A.)Thakare
35	Ku Prachi K Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	AA	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane	(P.K.)Nipane
36	Ku Aishwarya S Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	AA	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar	(A.S.)Hingankar

S.G. Chhoba
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Anjangaon Surji

Shri Sarda Education Society's
(A linguistic Minority Educational Institute)

Smt Radhabai Sarda Arts, Commerce & Science College, Anjangaon Surji

**Department of Zoology
Add on Course on Vermicompost
(Academic Session: 2019-2020)**

Date: 16/03/2020

Max Marks: 50

Time: 1: 30 Hrs

Q.1 Fill in the blanks.

05M

- i. Earthworms required a temperature range of-----
- ii. Vermicompost production required ----- days.
- iii. ----- % organic carbon is present vermicompost.
- iv. ----- is biodegradable waste used in vermicompost production.
- v. Vermicomposting required ----- pH range.

Q.2 Answer in one sentences.

10M

- i. Define vermicompost.
- ii. Define Vermiwash.
- iii. Name the different species of earthworms use in vermicomposting.
- iv. Give the chemical composition of vermicompost.
- v. Give the aims of vermicompost.

Q.3 Write a short note on.

05M

- a. Scopes and Importance of vermicompost.
- b. What are the requirements of vermicompost.

OR

- c. Give the detailed composition of vermicompost.
- d. Importance of vermicompost.

Q.4 Describe the design and construction of vermicompost pit.

10M

OR

Q.4 Describe the detailed process of vermicomposting.

Q.5 Write a short note on.

10M

- e. Enlist the raw material required for vermicomposting
- f. What are the environmental conditions required for vermiompposting

OR

- g. Give the uses of vermiwash.
- h. Harvesting of compost.

Q. 6 Methods of preservation of vermicompost.

10M

OR

Q.6 Marketing of vermicompost.




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Department of Zoology

Academic Session :2019-2020

Result of Add on Course on Vermicompost

SN	NAME OF STUDENT	CLASS	OUT OF 50	MARKS OBTAINED	SIGNATURE
1	Ku Sanjivani S Khandare	BScIII	50	32	<i>Sanjivani</i>
2	Ku Sakshi T Barabde	BScIII	50	35	<i>Sakshi</i>
3	Ku. Pragati Y Kadu	BScIII	50	44	<i>Pragati</i>
4	Ku. SamreenFirdous M Saleem	BScIII	50	34	<i>Samreen</i>
5	Ku. Kanchan G Aswar	BScIII	50	45	<i>Kanchan</i>
6	Ku. ShadabTasneem M Waseem	BScIII	50	32	<i>Shadab</i>
7	Ku Komal D Malve	BScIII	50	40	<i>K.D. malve.</i>
8	Ku Diksha s Gite	BScIII	50	36	<i>D.s.gite</i>
9	Ku Dikshita G Surjuse	BScIII	50	44	<i>Absent</i>
10	Ku Shivani R Dudhe	BScIII	50	47	<i>Shivani</i>
11	Ku Rohini V Patil	BScIII	50	45	<i>Rohini</i>
12	Ku Sakshi R Aware	BScIII	50	29	<i>Sakshi</i>
13	Ku Nikita B Ingale	BScIII	50	44	<i>Nikita</i>
14	Ku Harsha A Bhambukar	BScIII	50	34	<i>Harsha</i>
15	Ku Harshali A Rekhate	BScIII	50	45	<i>Harshali</i>
16	Ku Vaishali G Adhau	BScIII	50	32	<i>Vaishali</i>
17	Ku Yogita S Payghan	BScIII	50	40	<i>Y.S. payghan</i>
18	Ku Minal A Date	BScIII	50	36	<i>Minal</i>
19	Ku Prapti A More	BScIII	50	44	<i>P.m. more</i>
20	Mr Pratik J Dhule	BScIII	50	47	<i>P.J. Dhule</i>
21	MrKaushal R Kale	BScIII	50	28	<i>Kale</i>
22	Ku Sakshi N Lahane	BScIII	50	34	<i>Sakshi</i>

Bem
Principal

23	Ku Ashwini R Kadu	BScIII	50	47	A.R.Kadu
24	Ku Vaishnavi N Gawande	BScIII	50	43	V.N.Gawande
25	Ku Samiksha S Lahane	BScIII	50	42	S.S.Lahane
26	Ku Vaishnavi V Hurbade	BScIII	50	41	V.V.Hurbade
27	Ku Rutuja N Padole	BScIII	50	40	R.Padole
28	Ku Apeksha M Gawande	BScIII	50	36	A.Gawande
29	Ku Megha P Bhad	BScIII	50	44	M.P.Bhad
30	Ku Vishala P Patil	BScIII	50	47	V.P.Patil
31	Ku Vaishali R Bore	BScIII	50	45	V.R.Bore
32	Ku Gayatri V Bondre	BScIII	50	34	G.V.Bondre
33	Ku Kiran S Bhaskar	BScIII	50	32	K.S.Bhaskar
34	Ku Prajakta A Thakare	BScIII	50	36	P.A.Thakare
35	Ku Prachi K Nipane	BScIII	50	37	P.K.Nipane
36	Ku Aishwarya S Hingankar	BScIII	50	31	A.S.Hingankar

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Department of Zoology

Academic Session : 2019-2020

Programme Outcome of Add on Course on Vermicompost

PO 1: To aware students about the farmers problem.

PO 2: To give the detailed knowledge about the side effects of use of chemical fertilizer on fertility of soil.

PO 3: To provide knowledge about importance of organic farming.

PO 4: To aware students about the various species of earthworms.

PO 5: To provide knowledge about the vermicomposting business.

PO 6: To provide knowledge about Management of biodegradable waste.

PO 7: To aware students about the different kinds of pollutions caused due to solid waste and how to use this waste for vermicomposting.

PO 8: Use of vermicompost to enhance the fertility of soil.

PO 9: To provide knowledge about the starting of their own vermicompost pit at home with the help of kitchen waste.

PO 10: To provide knowledge about the importance of vermicompost, how it increases the crop production without use of any toxic fertilizer.

S.G. Chhabra


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Department of Zoology

Academic Session : 2019-2020

SUMMARY REPORT OF ADD ON COURSE ON VERMICOMPOST

Department of Zoology conducted a certificate course on Vermicompost during the academic session 2019-2020. The duration of the course was 30 hours (30 days). Total 36 students were enrolled for the course. All the students have completed the course successfully. The attainment of the course are as follows:

- Students were aware about the farmer's problem.
- Students acquired a detailed knowledge about the side effects of use of chemical fertilizer on fertility of soil.
- Students get knowledge about importance of organic farming.
- Students get knowledge about the various species of earthworms.
- Students learnt to develop their own vermicomposting business with the wise management of biodegradable waste.
- Students aware about the different kinds of pollutions caused due to solid waste and how to use this waste for vermicomposting.
- Students get knowledge about use of vermicompost to enhance the fertility of soil.
- Students learnt to start their own vermicompost pit at home with the help of kitchen waste.

S. G. Chhabra

[Signature]

HEAD

**Department of Zoology
Smt. Radhabai Sarda College
Anjangaon Surji**

[Signature]

Principal

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Anjangaon Surji**

Shri Sarda Education Society's
(A Linguistic Minority Educational Institute)

Smt Radhabai Sarda Arts, Commerce & Science College
Anjangaon Surji, Dist Amravati - 444705

Application Form for Course Work

(Academic Session: 2019-20)

Application Form No.: 000091

1. Applicant's Name : Ku. Sanjivani S. Khandare

2. Father's Name: Sudhakar S. Khandare

3. Permanent Address: At. Post chincholi RD

Tq - Anjangaon (surji)

District: Amravati State: Maharashtra Pin Code: 444705

4. Email ID: Sanjivanikhandare2018@gmail.com

5. Phone No./Mobile No.:

8	9	7	5	4	4	0	0	3	2
---	---	---	---	---	---	---	---	---	---

6. Gender: Male ☐ Female ☒

7. Date of Birth: 05 / 11 / 1999

8. Aadhar Card No.

4	6	6	4	0	0	2	3	3	6	9	9
---	---	---	---	---	---	---	---	---	---	---	---

9. Name of the Department: Zoology

10. Class: B.Sc IIIrd

11. Course Applied For: Value Added/Certificate/Bridge Course/Add-on Program

12. Date of Admission in College: _____

13. ID Number: 5044

14. Category: OPEN ☐ OBC ☐ SC ☒ ST ☐ NT ☐ VJ ☐ SBC ☐

15. Languages Known: Marathi ☒ Hindi ☐ English ☐

16. Title of the Course: vermi compost



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Dist. Amravati

Academic Session: 2019 - 2020

Certificate

*This is to certify that Sanjivani^o S. Khandare of B.Sc III
has successfully completed Certificate Course entitled “**Vermicompost**”
conducted by the Department of Zoology from 05/02/2020 to 14/03/2020 at
Smt. Radhabai Sarda Arts, Commerce & Science College, Anjangoan Surji,
Dist. Amravati.*

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Coordinator

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