

RAYAT SHIKSHAN SANSTHA'S
ARTS, SCIENCE & COMMERCE COLLEGE, RAMANANDNAGAR (BURLI)
DEPARTMENT OF ZOOLOGY
SHORT TERM COURSE (VERMICOMPOSTING)
ANNUAL REPORT (2019 2020)

The college is situated in rural background most student's community are from socioeconomically deferred society. The parents are mostly belonging to farmers and labourers community. To enrich the soil profile the IQAC of the college and our department have planned to run this course, which will increase the awareness amongst the farmers towards organic farming and will reduce the dependence on chemical fertilizers & pesticides. In turn the soil profile will increase and give more yield of the crops.

The said course is affiliated to Rayat Shikshan Sanstha, Satara. All the B.Sc. III students are enrolled to the said course. All the students have satisfactorily completed the course.



Head
Department of Zoology
A.S.C.College, Ramanandnagar(BurlI)

RAYAT SHIKSHAN SANSTHA'S
ARTS, SCIENCE & COMMERCE COLLEGE, RAMANANDNAGAR (BURLI)
DEPARTMENT OF ZOOLOGY
LIST OF STUDENTS (2019 2020)
SHORT TERM COURSE (VERMICOMPOSTING)

Sr.No.	Sex	Name of the Student
1912	F	BHOSALE POONAM SANJAY
1913	F	CHAVAN SHIVANI ANIL
1914	F	CHAVAN SHWETA RAJESH
1915	F	CHINCHAKAR MEGHANA VILAS
1916	F	CHOUGULE ROHINI PRADIP
1917	F	CHOUGULE RUTUJA RAVASO
1918	F	CHOUGULE TEJASHRI VARDHMAN
1919	F	KADAM KRUTIKA ANIL
1920	F	KHOT AMRUTA ANKUSH
1921	F	MANE NEHA RAJESH
1922	F	PATIL KOMAL DADASO
1923	F	PATIL NIKITA PANDURANG
1924	F	PATIL RAVINA SUKHADEO
1925	F	PATIL SHAILAJA SHARAD
1926	F	PATIL SHIVANI JAGANNATH
1927	F	SAKHARE PALLAVI SURESH
1928	F	TAMBOLI KHADIJA NAUSHAD
1929	F	THORBOLE DHANSHRI DHANANJAY
1959	F	KAMBLE PRATIKSHA RAJARAM
1964	F	SHIKHARE PRAJAKTA SHARAD

Head
Department of Zoology
A.S.C.College, Ramanandnagar(Burlj)

*

Vermi composting

SYLLABUS Theory and Practical

A) Theory Syllabus

UNIT - I Vermiculture 5

- a) Introduction
- b) Brief History
- c) Taxonomic status
- d) Habit and habitate
- e) Distribution of Earthworm

UNIT - II Worms for culture 5

- a) General morphological features of Earthworm
- b) Types of Earthworm
- c) Significance of gut in formation of vermicompost

UNIT - III Techniques of vermiculture. 5

- a) Construction of worm bin
- b) Bedding material
- c) Adding the worms
- d) Adding food wastes
- e) Controlling temperature & moisture in the bin
- f) Maintaining the bin
- g) Harvesting the compost & worms

UNIT - IV Vermicomposting

5

- a) Vermicompost
 - b) Chemical characteristics of vermicompost
 - c) Precautionary measures
 - d) Factors influencing the culturing Earthworms
 - e) Importance of vermicomposting
- i) Overall benefits
 - ii) Environmental assessment
 - iii) Vermiculture as biofertilizer

B) Practical Syllabus

- 1) Handling of Earthworms
- 2) How to construct the worm bin
- 3) Bedding material
- 4) Adding of worms
- 5) Adding food wastes
- 6) Controlling temperature & moisture in the bin
- 7) Maintaining the bin
- 8) Harvesting the compost & worms
- 9) Marketing
- 10) visit

20

REFERENCE BOOKS

✓ Bhiday MR. 1994. Earthworms in agriculture. Indian Farming 43(12):31-34

Desai VR, Sabale RN and Raundal PV. 1999. Integrated nitrogen management in wheat-coriander cropping system. Journal of Maharashtra Agricultural Universities 24(3):273-275

Devi D and Agarwal SK. 1998. Performance of sunflower hybrids as influenced by organic manure and fertilizer. Journal of Oilseeds Research 15(2):272-279.

Devi D, Agarwal SK and Dayal D. 1998. Response of sunflower [*Helianthus annuus* (L.)] to organic manures and fertilizers. Indian Journal of Agronomy 43(3):469-473.

✓ Gandhi M, Sangwan V, Kapoor KK and Dilbaghi N, 1997. Composting of household wastes with and without earthworms. Environment and Ecology 15(2):432-434.

Jadhav AD, Talashilkar SC and Pawar AG. 1997. Influence of the conjunctive use of FYM, vermicompost and urea on growth and nutrient uptake in rice. Journal of Maharashtra Agricultural Universities 22(2):249-250. sativum(L). Legume Research 21(1):57-6

PATTERN OF THE EXAMINATION:-

There is one theory paper and one practical paper. The details are as given below.

Theory Paper	50 Marks.
Practical Paper	50 Marks..
<hr/>	
Total	100 Marks

STANDERD OF PASSING:-

The student has to obtain at least 35 marks for passing.

GRADING SYSTEM:-

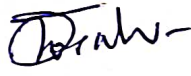
Sr. No.	Marks Range	Grade
1	70 and above	A+
2	60 to 70	A
3	50 to 60	B
4	35 and 50	C
5	Below 35	Fail

————— X —————

RAYAT SHIKSHAN SANSTHA'S
ARTS, SCIENCE & COMMERCE COLLEGE, RAMANANDNAGAR (BURLI)
DEPARTMENT OF ZOOLOGY
LIST OF STUDENTS (2019 2020)
SHORT TERM COURSE (VERMICOMPOSTING)
TIME TABLE

Day	Time	Subject	Teachers Name
Friday	01:40 to 02:30	Vermicomposting Theory	Dr. S.B. Pol / Dr. T.S. Bhosale
Friday	02:30 to 03:20	Vermicomposting Theory	Mr. A.B.Mane / Mr. A R Aundhkar
Saturday	01: 40 to Onwards	Vermicomposting Practical	Dr. S.B. Pol / Dr. T.S. Bhosale Mr. A. B. Mane / Mr. A R Aundhkar


Coordinator


Head
Department of Zoology
A.S.C.College, Ramanandnagar(Burti)

RAYAT SHIKSHAN SANSTHA'S
ARTS, SCIENCE & COMMERCE COLLEGE, RAMANANDNAGAR (BURLD)
DEPARTMENT OF ZOOLOGY
SHORT TERM COURSE (VERMICOMPOSTING)
ATTENDANCE (2019 2020)

Roll No.	Name of the Student	6/19/19	7/19/19	13/19/19	14/19/19	20/19/19	21/19/19	27/19/19	28/19/19	4/19/19	5/19/19	11/19/19	12/19/19	18/19/19	19/19/19	25/19/19	26/19/19	29/11/19	29/11/19	6/12/19	7/12/19	12/12/19	
1912	BHOSALE POONAM SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1913	CHAVAN SHIVANI ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1914	CHAVAN SHWETA RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1915	CHINCHAKAR MEGHANA VILAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1916	CHOUGULE ROHINI PRADIP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1917	CHOUGULE RUTUJA RAVASO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1918	CHOUGULE TEJASHRI VARDHMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1919	KADAM KRUTIKA ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1920	KHOT AMRUTA ANKUSH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1921	MANE NEHA RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1922	PATIL KOMAL DADASO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1923	PATIL NIKITA PANDURANG	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1924	PATIL RAVINA SUKHADEO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1925	PATIL SHAILAJA SHARAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1926	PATIL SHIVANI JAGANNATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1927	SAKHARE PALLAVI SURESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1928	TAMBOLI KHADIJA NAUSHAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1929	THORBOLE DHANSHRI DHANANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1959	KAMBLE PRATIKSHA RAJARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1964	SHIKHARE PRAJAKTA SHARAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Dr. S. S. Patil
Head

Department of Zoology.

S. S. Patil
Coordinator

RAYAT SHIKSHAN SANSTHA'S
ARTS, SCIENCE & COMMERCE COLLEGE, RAMANANDNAGAR (BURLI)
DEPARTMENT OF ZOOLOGY
SHORT TERM COURSE (VERMICOMPOSTING)

ATTENDANCE (2019 2020)

Roll No.	Name of the Student	19/12/19	20/12/19	21/12/19	22/12/19	23/12/19	24/12/19	25/12/19	26/12/19	27/12/19	28/12/19	29/12/19	30/12/19	31/12/19	1/1/20	2/1/20	3/1/20	4/1/20	5/1/20	6/1/20	7/1/20	8/1/20	9/1/20	10/1/20	11/1/20
1912	BHOSALE POONAM SANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1913	CHAVAN SHIVANI ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1914	CHAVAN SHWETA RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1915	CHINCHAKAR MEGHANA VILAS	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1916	CHOUGULE ROHINI PRADIP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1917	CHOUGULE RUTUJA RAVASO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1918	CHOUGULE TEJASHRI VARDHMAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1919	KADAM KRUTIKA ANIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1920	KHOT AMRUTA ANKUSH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1921	MANE NEHA RAJESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1922	PATIL KOMAL DADASO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1923	PATIL NIKITA PANDURANG	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1924	PATIL RAVINA SUKHADEO	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1925	PATIL SHAILAJA SHARAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1926	PATIL SHIVANI JAGANNATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1927	SAKHARE PALLAVI SURESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1928	TAMBOLI KHADIJA NAUSHAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1929	THORBOLE DHANSHRI DHANANJAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1959	KAMBLE PRATIKSHA RAJARAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1964	SHIKHARE PRAJAKTA SHARAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

[Signature]
Head

Department of Zoology
A.S.C. College, Ramanandnagar(Surl) Head

[Signature]
Coordinator