



Government Degree College, Seethanagaram

Accredited by NAAC with "B" Grade, ISO 9001:2015 Certified College

Affiliated to Aadi Kavi Nannayya University
Opp K.G.N.M .Trust, Purushottapatnam Road, Seethanagaram



“DEPARTMENT OF ZOOLOGY

DOCUMENTATION

CERTIFICATE COURSE

ON

“VERMI COMPOST”

CONDUCTED BY

DEPARTMENT OF ZOOLOGY

DURATION OF THE COURSE: ONE AND HALF MONTH

from NOVEMBER 1ST 2021 to DECEMBER 15TH 2021

SCHEDULE:

EVERY DAY 4 PM to 5 PM

ATTENDANCE

75% Attendance in classes is mandatory for appearing in the examination.

MODE OF EXAMINATION

The Examination Paper will consist of 100 Marks

External Exam pattern 5x10=50 [All questions mandatory].

Internal exam pattern 5x10=50 [All questions mandatory].

PASSING REQUIREMENT

Candidates have to secure minimum 50% marks to qualify the certificate course examination.

RESULT

The result will appear after one day of closure of off-line examination. List of passed participants will also be hosted at the college notice board.

CERTIFICATES

Certificates will be awarded by our honorable college principal to the students who ever passed this examination.

MODULES TO BE COVERED IN THE COURSE:

Unit-I

General Vermiculture:

- ◆ Introduction to Vermiculture, Definition, Meaning and History.
- ◆ Maintenance of soil structure, the matter and humus cycle.
- ◆ Vermicompost Devices and Equipment

Unit-II

Earthworm Biology:

- ◆ Taxonomy, Anatomy, Physiology and Reproduction of Earthworm.
- ◆ Economic importance of Earthworms.

Unit-III

Vermicompost Technology:

- ◆ Small scale earthworm farming for home gardens.
- ◆ Conventional commercial composting
- ◆ Maintenance of Vermicompost.
- ◆ Vermis diseases and enemies.

Unit-IV

Economic Importance of Vermicompost

- ◆ Economic importance of Vermicompost.
- ◆ SS Harvesting and processing.

BLUEPRINT

<i>Unit</i>	<i>Essay</i>
Unit-I	1
Unit- II	2
Unit- III	4
Unit- IV	2

THEORY MODEL PAPER

I. Write any FIVE answers and draw labeled diagrams wherever necessary. 5x10=50M

1. Write notes on maintenance of soil, the matter and humus cycle.
2. Describe in detail about biology of Earthworm.
3. Write notes on Economic importance of Earthworm.
4. Write notes on maintenance of Vermicompost.
5. Give an account on small scale earthworm farming for home gardens.
6. Explain in detail economic importance of Vermicompost.
7. Write notes on Harvesting and processing of vermiculture.
8. Give an account on commercial composting.
9. Explain in detail about reduce, reuse, recycle and restore?

PRACTICALSYLLABUS

1. EstimationofsoilpH.
2. Identificationofdifferent types ofEarthworms.
3. PreparationofHomegardens.

Fieldtripandcollectionof nativeearthworms

PRACTICALMODEL PAPER

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| 1. Estimation of soilpH | 10M |
| 2. Earthwormidentification andwritingnotes | 10M |
| 3. Preparationofhomegardens. | 10M |
| 4. Fieldtripandcollectionofnativeearthworms. | 10M |
| 5. PracticalRecordBook | 10M |

Objective of Course:-

The course will prepare the participants for the opportunities in the field of Government Jobs in Agricultural fields, Entrance exams for higher studies like post-Graduation

Eligibility for the course:-

The Course is Open for the Zoology Students in Graduation Level. As well as for the students who are preparing for competitive exams.

