



# 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 1<sup>ST</sup> 2021 to DECEMBER 15<sup>TH</sup> 2021**

**SCHEDULE:**

**EVERYDAY 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 hon'ble college principal to the students whoever 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 forming for home gardens.
- ◆ Conventional commercial composting
- ◆ Maintenance of Vermicompost.
- ◆ Verms diseases and enemies.

### Unit -IV

#### **Economic Importance of Vermicompost**

- ◆ Economic importance of Vermicompost.
- ◆ SSHarvesting and processing.

#### **BLUE PRINT**

<b><i>Unit</i></b>	<b><i>Essay</i></b>
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?

## PRACTICAL SYLLABUS

1. Estimation of soil pH.
2. Identification of different types of Earthworms.
3. Preparation of Home gardens.

Field trip and collection of native earthworms

### PRACTICAL MODEL PAPER

- |  |     |
|--|-----|
| 1. Estimation of soil pH                           | 10M |
| 2. Earthworm identification and writing notes      | 10M |
| 3. Preparation of home gardens.                    | 10M |
| 4. Field trip and collection of native earthworms. | 10M |
| 5. Practical Record Book                           | 10M |

### **Objective of Course: -**

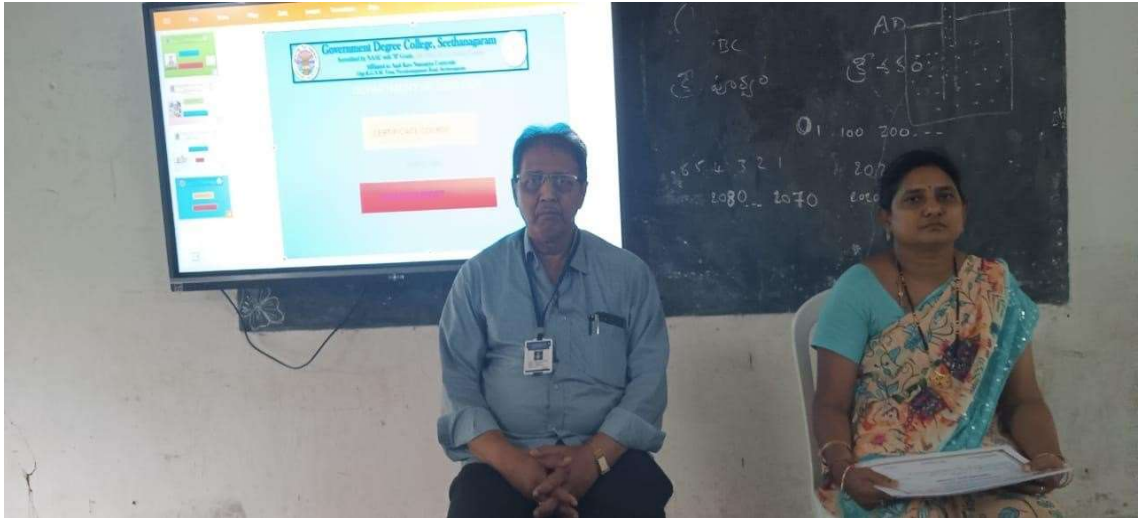
The course will prepare the participants for the opportunities in the field of Government Jobs in Agricultural fields, Entrance exams for higher studies like post-Graduation

### **Eligibility for the course:-**

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

**LIST OF PARTICIPANTS**

<b>S.NO</b>	<b>REG.NO</b>	<b>NAME OF THE PARTICIPANTS</b>	<b>CLASS</b>
<b>01</b>	<b>201007110022</b>	<b>AMUDALA POORNIMA</b>	<b>I B.Sc. (B.Z.C)</b>
<b>02</b>	<b>201007110023</b>	<b>AVUNAPALI NAGASRI</b>	<b>I B.Sc. (B.Z.C)</b>
<b>03</b>	<b>201007110025</b>	<b>MALLA VARAPU SAILU</b>	<b>I B.Sc. (B.Z.C)</b>
<b>04</b>	<b>201007110026</b>	<b>MANAPATHI SHARUNI</b>	<b>I B.Sc. (B.Z.C)</b>
<b>05</b>	<b>201007110027</b>	<b>MANELLI RANI</b>	<b>I B.Sc. (B.Z.C)</b>
<b>06</b>	<b>201007110028</b>	<b>MEKA PADMAVATHI</b>	<b>I B.Sc. (B.Z.C)</b>
<b>07</b>	<b>201007110030</b>	<b>NAKAA DURGA PRASAD</b>	<b>IB.Sc. (B.Z.C)</b>
<b>08</b>	<b>201007110032</b>	<b>PEETHA MUNESH</b>	<b>I B.Sc. (B.Z.C)</b>
<b>09</b>	<b>201007110033</b>	<b>RAPAKA MALATHI</b>	<b>I B.Sc. (B.Z.C)</b>
<b>10</b>	<b>201007110035</b>	<b>UPPULURI DIVYA</b>	<b>I B.Sc. (B.Z.C)</b>
<b>11</b>	<b>201007110036</b>	<b>YALLAMILLI PRASANNA KUMAR</b>	<b>I B.Sc. (B.Z.C)</b>





Name of the Office		Attendance										Register																									
S. No.	NAME	Designation	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Remarks			
1	A. poornima		P	P	a				P	a	a	P	P		P	P	a	P																			
2	A. Nagasri		P	P	a				a	P	a	P	P		P	P	P	P																			
3	M. satlu		P	P	P				a	P	P	P	a		P	P	P	P																			
4	M. sharoni		P	P	a				P	a	a	P	P		a	P	P	P																			
5	M. padmalathi		P	a	a				a	P	a	P	a		a	P	P	a																			
6	N. Durga prasad		P	P	P				P	P	P	P	P		P	P	P	P																			
7	P. Munesh		P	P	P				a	P	a	P	P		a	P	P	P																			
8	R. Malathi		P	a	P				P	a	a	P	P		P	P	P	a																			
9	U. Divya		P	P	P				P	P	a	a	a		P	P	P	P																			
10	Y. prasanna kumar		P	a	P				P	P	a	P	a		P	P	P	P																			
11	M. Rani		P	P	P				P	P	P	P	P		P	P	P	P																			

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1	A. poornima		P	P	a	P	a	P				a	P		P		P	a	P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
2	A. Nagasri		P	P	P	a	P	a	P			P	a		P		P	P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
3	M. satlu		P	P	P	P	P	P	P			a	P		a		P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
4	M. sharoni		P	P	P	P	P	P	P			a	a		P		P	a	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
5	M. Rani		P	P	a	P	a	P	P			P	P		P		P	P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
6	M. padmalathi		P	a	a	P	a	P	a			P	a		a		P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
7	N. Durga prasad		P	P	P	P	P	P	P			P	P		P		P	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
8	P. Munesh		P	a	P	a	P	P	a			P	a		P		P	a	a	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
9	R. malathi		P	P	a	P	P	a	P			P	a		P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
10	U. Divya		P	P	P	a	P	a	P			P	a		P		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
11	Y. prasanna kumar		P	a	P	a	P	P	P			P	P		a		P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			

PRINCIPAL  
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E.G.O. (A.P.)

