

**Semester Pattern: 2024-25**

**Instructions to submit Fourth Semester Assignments**

1. Following the introduction of semester pattern, it becomes **mandatory for candidates to submit assignment for each course.**
2. Assignment topics for each course will be displayed in the A.U, CDOE website ([www.audde.in](http://www.audde.in)).
3. Each assignment contains 5 questions and the candidate should answer all the 5 questions. Candidates should submit assignments for each course separately. (5 Questions x 5 Marks =25 marks).
4. Answer for each assignment question should not exceed 4 pages. Use only A4 sheets and write on one side only. **Write your Enrollment number on the top right corner** of all the pages.
5. Add a template / content page and provide details regarding your Name, Enrollment number, Programme name, Code and Assignment topic. Assignments without template/ content page will not be accepted.
6. Assignments should be handwritten only. Typed or printed or photocopied assignments will not be accepted.
7. **Send all Fourth semester assignments in one envelope.** Send your assignments by Registered Post to The Director, Center for Distance and Online Education, Annamalai University, Annamalai Nagar – 608002.
8. Write in bold letters, “**ASSIGNMENTS – FOURTH SEMESTER**” along with PROGRAMME NAME on the top of the envelope.
9. Assignments received after the **last date with late fee** will not be evaluated.

**Date to Remember**

Last date to submit Fourth semester assignments : **15.04.2025**

Last date with late fee of Rs.300 (three hundred only) : **30.04.2025**

**Dr. T. SRINIVASAN**

Director

# **CENTRE FOR DISTANCE AND ONLINE EDUCATION**

## **S022 – M.Sc. BOTANY**

### **SECOND YEAR – IV SEMESTER**

#### **ASSIGNMENT TOPICS**

#### **022E2410: PLANT PHYSIOLOGY**

1. Write an essay on the role of essential elements in plant nutrition.
2. Describe the cyclic and non-cyclic photophosphorylation.
3. Comment briefly on glycolysis and its significance in the mechanism of respiration.
4. What are the growth regulators? Explain the biosynthesis and assay of auxins.
5. What is stress? Give a brief account of water and salt stress in plants.

#### **022E2420: ENVIRONMENTAL BIOLOGY AND EVOLUTION**

1. Discuss about Biotic and abiotic interaction
2. Give an account of grassland vegetation of India.
3. Explain the importance and various types of forestry.
4. Explain about the conservation strategy in India.
5. Differentiate between Darwinism and Neo-darwinism.

#### **022E2430: APPLIED BOTANY**

1. Discuss about climacteric and non-climacteric fruits.
2. Outline of classification of flowers on the basis of inflorescence.
3. Give an essay on seed germination.
4. Essay on seed certification.
5. List out the handling methods while fruit packaging.