

Semester Pattern: 2024-25

Instructions to submit Second 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**).
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 Second 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 – SECOND 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 Second 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

FIRST YEAR – II SEMESTER

ASSIGNMENT TOPICS

022E1210: PLANT DIVERSITY-II

(PTERIDOPHYTES, GYMNOSPERMS AND PALAEOBOTANY)

1. Explain the general characters of Pteridophytes.
2. Describe the Structure and reproduction of Angiopteris.
3. Write an essay on cycas life cycle.
4. Explain the reproduction of Gnetum.
5. Ennumurate the Kinds of fossils.

022E1220: ANATOMY, EMBRYOLOGY OF ANGIOSPERMS AND MORPHOGENESIS.

1. Describe the various theories relating to the growth and development in the stem apex and root apex.
2. Describe the anomalous secondary growth in dicotyledons.
3. Explain the different types of Endosperms.
4. Write short notes on: Ovary culture, Nutrient media, Apospory and Apogamy.
5. Explain the Differentiation, Dedifferentiation and Redifferentiation.

022E1230: CELL BIOLOGY, GENETICS AND PLANT BREEDING.

1. Describe the Structure and function of Endoplasmic reticulum.
2. Discuss the Mitosis and Meiosis cell division.
3. Explain the extra nuclear inheritance and cytoplasmic inheritance.
4. Give an account on Molecular basis of Gene mutation—point, frame, shift and suppressor.
5. Describe the different selection method of s plant breeding.