

**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](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 Second semester assignments in one envelope.** Send your assignments by Registered Post to The Director, Centre 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 : 01.11.2025  
Last date with late fee of Rs.300 (three hundred only) : 15.11.2025

**DIRECTOR  
CDOE**

**CENTRE FOR DISTANCE AND ONLINE EDUCATION**  
**S022 - M.Sc. BOTANY**  
**FIRST YEAR – II SEMESTER (2025 – 2026)**  
**ASSIGNMENT QUESTION**

**022E1210: PLANT DIVERSITY-II**  
**(PTERIDOPHYTES, GYMNOSPERMS AND PALAEO BOTANY)**

1. Stellar evolution in Pteridophytes..
2. Describe the Structure and reproduction of Angiopteris.
3. Write an essay on salient feature of cycadales.
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. Write an essay about the abnormal activity of cambium
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: CELLBIOLOGY, GENETICS AND PLANT BREEDING.**

1. Describe the Structure and function of Chloroplast.
2. Discuss the chromosomal variation and aberration.
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. Explain the Mutation breeding and polyploidy breeding