

Semester Pattern: 2023-24

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 : **15.04.2024**

Last date with late fee of Rs.300 (three hundred only) : **30.04.2024**

ANNAMALAI UNIVERSITY
CENTRE FOR DISTANCE AND ONLINE EDUCATION
I M. Sc.- BOTANY- SECOND SEMESTER
ASSIGNMENT TOPIC

Course code: 022E1210 Course Title: Plant Diversity –II (Pteridophytes, Gymnosperms and Palaeobotany)

1. Classification of Pteridophytes by Reimer.
2. Explain the sporocarp structure in *Marsilea*.
3. Write an essay on *Cycas* life cycle.
4. Explain the reproduction of *Gnetum*.
5. Economic importance of fossils.

Course code: 022E1220 Course Title: Anatomy, Embryology of Angiosperms and Morphogenesis.

1. Describe the various theories of apical organization of shoot apex and root apex.
2. Describe the secondary growth in dicot stem.
3. Explain different types of ovule with suitable diagram.
4. Write short notes on ovary culture, parthenocarpy and parthenogenesis.
5. Explain the differentiation, dedifferentiation and re-differentiation of cells and organs.

Course code: 022E1230 Course Title: Cell Biology, Genetics and Plant breeding.

1. Structure and function of ribosome.
2. Cell division of Mitosis and meiosis.
3. Explain the sex determination.
4. Explain the mutation.
5. Hybridization method of plant breeding.