


ANNAMALAI UNIVERSITY

(Accredited with 'A+' Grade by NAAC)

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Annamalainagar – 608 002

Semester Pattern: 2025-26 - (JANUARY SESSION)

Instructions to submit Third 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 Third 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 – THIRD 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 Third semester assignments : 15.04.2026
Last date with late fee of Rs.300 (three hundred only) : 30.04.2026

Dr. S.ARULSEVI
Director

CENTRE FOR DISTANCE AND ONLINE EDUCATION
S022 - M.Sc. BOTANY
SECOND YEAR – III SEMESTER
ASSIGNMENT QUESTION

022E2310: TAXONOMY OF ANGIOSPERMS AND ECONOMIC BOTANY.

1. Describe the outline of Bentham & Hookers system of classification.
2. Discuss the importance of Herbarium. Mention two herbaria of India..
3. Note on tendrils of various species of cucurbitaceae
4. Draw a label sketch on floral diagram of various species of Poaceae.
5. Write an essay taxonomic diversity of useful plants.

022E2320: BIO CHEMISTRY AND MOLECULAR BIOLOGY.

1. Describe the chemical structure and function of carbohydrates.
2. Describe the structure and classification of secondary metabolism.
3. Explain the Enzymology of DNA replication.
4. Discuss the difference between prokaryotic and Eukaryotic RNA polymerases.
5. What is codon and explain the different types of codon.?

022E2330: BIOLOGICAL TECHNIQUES AND RESEARCH METHODOLOGY.

1. Describe the working principle of TEM and SEM.
2. Enumerate the types of blotting technique.
3. Describe the essay on materials and methods in research..
4. Write about WTO, GATT and TRIPS.
5. Write brief notes on MS-Office and MS-Excel.

022E2340: PLANT BIOTECHNOLOGY AND GENETIC ENGINEERING.

1. Explain the Isolation of protoplast by mechanical and enzymatic method.
2. Describe the structure of bio reactor.
3. Describe the restriction endonuclease and its types.
4. Enumerate the preparation of molecular gene mapping in cotton and forest tree.
5. Write in detail of Nif gene techniques in non leguminous plants