

ANNAMALAI UNIVERSITY

(Accredited with 'A+' Grade by NAAC)

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Annamalainagar – 608 002

Semester Pattern: 2025-26

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, 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

Assignment Questions

M.Sc., Zoology, I year, II – semester

Assignment No.1: Animal physiology (021E1210)

1. Explain the transport of gases and the function of influencing transport of O₂ and CO₂.
2. Explain the composition of food and discuss about the hormonal control and digestion.
3. Explain the structure and function of mammalian heart.
4. Explain the theories of muscle contraction and its mechanism.
5. Write an essay on Nitrogenous wastes and its physiological importance.

Assignment No.2: Genetics (021E1220)

1. Write a detail account on linkage and crossing over.
2. Describe Hardy - Weinberg law of genetics equilibrium.
3. Explain the inborn errors of protein and lipid metabolism.
4. Explain the importance of pedigree analysis and genetics counselling.
5. Explain the types of mutation and its genetic significance.

Assignment No.2: Bio chemistry, Bio physics and Bio statistics (021E1230)

1. Explain the oxidative phosphorylation mechanism.
2. Explain the physio chemical properties and the structure of proteins.
3. Explain the significance of statistics in population studies.
4. Explain the principle and functions of electron microscope.
5. Define isotopes – Explain the half-life type of emissions.