

Semester Pattern: 2025-26 [JANUARY SESSION]
Instructions to submit First 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 First 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 – FIRST 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 First semester assignments : 15.04.2026
Last date with late fee of Rs.300 (three hundred only) : 30.04.2026

Dr. S.ARULSELVI
Director

Assignment Questions

M.Sc. Zoology, First year, I – semester

021E1110 : Structure and Functions of Invertebrates and Vertebrates

1. Give an elaborate account on coelom, coelomoducts, nephridia and Malphigian tubules.
2. Explore the trends in neural evolution.
3. Discuss the strategies and evolutionary significance of larval forms.
4. Compare various types of jaw suspensions and their significances.
5. Summarize cranial, peripheral and autonomous nervous systems.

021E1120: Developmental Biology

1. Elaborate the process of vitellogenesis and compare egg membranes.
2. Explain the process of egg activation and its biochemistry.
3. Discuss the process and physiology of gastrulation.
4. Elaborate the changing pattern of protein synthesis and sequence of gene action in development.
5. Give a detailed account on the process of regeneration with special emphasis on polarity and gradients.

021E1130 : Cell and Molecular Biology

1. Summarize the concepts of cell adhesion, cell recognition, antigen specificity and hormone receptors.
2. Discuss various types of RNA and ribosome and explain their role in protein synthesis.
3. Make a comparative assessment of light and dark reactions in photosynthesis.
4. Elaborate telomerase and its role in DNA replication.
5. Compare and contrast the process of translation in prokaryote and eukaryotes.