

Semester Pattern: 2025-26 [JANUARY SESSION]
Instructions to submit Fourth 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 Fourth 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 – FOURTH 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 Fourth 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, second year, IV semester

021E2410 (1) - Endocrinology-Optional

1. Write an essay on hormones of pituitary origin and their control by hypothalamus.
2. Make a comparative account on the structure and functions of thyroid and parathyroid glands.
3. Summarize the structure, hormonal profile and functions of adrenal gland.
4. Elaborate the hormonal profiles of testis and ovary in human and their physiological functions.
5. Illustrate the endocrine systems in crustaceans and insects.

021E2410 (2) : Entomology-Optional

1. Make an elaborate account on typical insect morphology and classify insects up to orders mentioning the salient features and examples.
2. Elaborate the respiratory organs and mechanism of respiration in terrestrial, aquatic and endoparasitic insects.
3. Summarize the neuroendocrine system in insects.
4. Write an essay on various types of insecticides and their mode of actions.
5. Give an elaborate account on integrated pest management.

021E2410 (3) : Fisheries and Aquaculture-Optional

1. Summarize the procedures for age and growth determination in fishes.
2. Elaborate the major diseases, symptoms and control measures of cultured fishes.
3. Explain the process of hypophysation in fishes.
4. Illustrate the methods of sea weed culture.
5. Give an account on various types of fishing gears.

Evolution : 021E2420

1. Summarize Lamarck's theory of evolution.
2. Evaluate the role of variability in organic evolution.
3. Elaborate the process of speciation and its relation to organic evolution.
4. Discuss the various types of mimicries and their significance.
5. Explore the evolution of mankind.

021E2430 : Animal Behaviour

1. Discuss the contributions of Tinbergen towards animal behaviour.
2. Explain the process of communications in honey bees.
3. Write an account on genetic basis of animal behaviour.
4. Summarize sexual selection and courtship behaviour in fishes, amphibians, birds and mammals.
5. Elaborate territoriality as a dimension of animal behaviour.