

Semester Pattern: 2023-24

[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 : **15.04.2024**

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

Dr. T. SRINIVASAN

(S021) - M.Sc Zoology

First year (I Semester)

Assignments Topics

AY – 2023 - 24 - (January session)

021E1110: Structure and Functions of Invertebrates and vertebrates

1. Write an essay on primitive nervous system and advanced nervous system with proper examples.
2. Explain the organs of respiration and excretion and their functions among Invertebrates. Describe with the suitable diagrams.
3. Discuss about the strategies and evolutionary significance of larval forms.
4. Write an essay on general structure and functions of skin and derivatives.
5. Describe about the peripheral and autonomous nervous system.

021E1120: Developmental Biology

1. Explain the entry of sperm into an egg and activation of the egg, with the diagram.
2. Discuss the process of spermatogenesis and oogenesis with the suitable diagrams.
3. Describe about placentation in mammals.
4. Write an account on cleavage and gastrulation process in frog with diagram.
5. Explain the process and Physiology of metamorphosis in Amphibians.

021E1130: Cell and molecular Biology

1. Give an account on structure and functions of Endoplasmic reticulum and ribosomes. Mention the significant role of ribosomes in protein synthesis.
2. Describe on ultra-structure and functions of plasma membrane with diagrams.
3. Explain about the ultra structure and functions of mitochondria.
4. Discuss about structural and functioning features of different types of RNAs
5. Write an essay on DNA structure and replication.
