



ANNAMALAI UNIVERSITY

(Accredited with 'A+' Grade by NAAC)
DIRECTORATE OF DISTANCE EDUCATION
Annamalainagar – 608 002

Semester Pattern: 2023-24

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, DDE 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, Directorate of Distance 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 : **15.11.2023**

Last date with late fee of Rs.300 (three hundred only) : **30.11.2023**

Dr. T.SRINIVASAN
Director

S021 - M.Sc., Zoology, First semester

021E1110 - Structure and Functions of Invertebrates and vertebrates

(5 x 5 Marks =25 marks)

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

021E1120 - Developmental Biology (5 x 5 Marks =25 marks)

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

021E1130 - Cell and molecular Biology (5 x 5 Marks =25 marks)

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