



ANNAMALAI UNIVERSITY
(Accredited with 'A+' Grade by NAAC)
CENTRE FOR DISTANCE AND ONLINE EDUCATION

Annamalainagar – 608 002

Semester Pattern: 2024-25

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 : 01.11.2024

Last date with late fee of Rs.300 (three hundred only) : 15.11.2024

Dr. T.SRINIVASAN
Director

CENTRE FOR DISTANCE AND ONLINE EDUCATION
S021 – M. Sc ZOOLOGY
I Year - II SEMESTER)
ASSIGNMENT TOPIC (JANUARY SESSION - 24)

021E1210: ANIMAL PHYSIOLOGY

1. List out the enzymes involved in digestion Explain their place of origin, chemical composition and its action on food.
2. Write an essay on difference among osmoregulation in fresh water and marine animals.
3. Write an essay on composition of Blood.
4. Give an account on transport of gases between the lungs and tissues.
5. Describe the process of gametogenesis and compare the spermatogenesis with oogenesis.

021E1220: GENETICS

1. What is crossing over? Explain with suitable example.
2. How the skin colour in man is inherited.
3. Write an essay on inborn error of metabolism.
4. Briefly explain oncogene and cancer.
5. Explain recombinant DNA techniques.

021E1230: BIO-CHEMISTRY, BIO-PHYSICS, & BIO-STATISTICS

1. Explain the various reactions in Kreb's cycle.
2. Write an account on electron microscopy.
3. Give an account on types of bar diagram with examples.
4. Enumerate in detail about the quantum theory of light.
5. Discuss cholesterol biosynthesis and its regulations.