A N N A M A L A I U N I V E R S I T Y

(Accredited with 'A+' Grade by NAAC)

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Annamalainagar – 608 002.

Semester Pattern: 2023-24

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, Center 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 : **15.04.2024**

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

ANNAMALAI UNIVERSITY

CENTRE FOR DISTANCE AND ONLINE EDUCATION

ZOOLOGY WING

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Assignment Questions

M.Sc., Zoology, I - year, II- Semester

Assignment No.: 1
021E1210:Animal Physiology

1. Write an essay on digestion and write a note on digestive enzymes.
2. Describe the structure and functions of nephron with suitable illustration.
3. Explain the structure of mammalian heart and describe origin, conduction and regulation of heart beat.
4. Discuss elaborately about the transport of gases between the lungs and tissues.
5. Explain the mechanism and theories of muscle contraction.

Assignment No.: 2
021E1220: Genetics

1. Explain the Hardy-Weinberg law of equilibrium with an example.
2. Discuss the mendal's law of segregation.
3. Write in detail about the chromosomal aberration.
4. Write an essay on inborn errors of carbohydrate, protein and lipid metabolism.
5. Describe the recombinant DNA techniques and its application.

Assignment No.: 3
021E1230: Biochemistry, Biophysics and Biostatistics

1. Write a detailed account on structure and chemistry of compound lipids.
2. Discuss the mechanism of oxidative phosphorylation.
3. Explain the principles of optics with reference to compound and write a detailed note on radiation measurements.
4. Explain the working principle and application of transmission electron microscope.
5. Write a detailed note on analysis of variance (ANOVA).

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