



**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**  
**S792 – M.Sc MICROBIOLOGY**  
**I Year - II SEMESTER)**  
**ASSIGNMENT TOPIC (JANUARY SESSION - 24)**

**792E1210: GENETIC ENGINEERING**

1. Give a detailed notes on cloning vectors in gene transfer techniques.
2. Brief notes on methods of gene transfer.
3. Explain in detail about blotting techniques.
4. Describe hazards and safety aspects of genetic engineering.
5. Write an essay on gene therapy.

**792E1220: FOOD AND DAIRY MICROBIOLOGY**

1. Brief account on factors influencing microbial growth in food.
2. Give a brief notes on fermented dairy products.
3. Give an elaborate notes on spoilage and preservation of meat and meat products.
4. Describe about mycotoxins.
5. Explain about food sanitation and control

**792E1230: IMMUNOLOGY**

1. Brief notes on cell mediated immunity.
2. Write a brief notes on Antigen- Antibody reactions.
3. Describe about ELISA
4. Classify Major Histocompatibility Complex.
5. Explain in detailed about types of Hypersensitivity reactions.