



# ANNAMALAI UNIVERSITY

(Accredited with 'A++' Grade by NAAC)

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Annamalainagar – 608 002

**Semester Pattern: 2025-26**

## **Instructions to submit Fourth 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](http://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 Fourth 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 – FOURTH 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 Fourth semester assignments : 01.11.2025

Last date with late fee of Rs.300 (three hundred only) : 15.11.2025

**DIRECTOR  
CDOE**

**CENTRE FOR DISTANCE AND ONLINE EDUCATION**  
**S792 - M.Sc. MICROBIOLOGY**  
**SECOND YEAR – IV SEMESTER (2025 – 2026)**  
**ASSIGNMENT QUESTION**

**792E2410: BIOPROCESS TECHNOLOGY**

1. Explain about immobilization.
2. Discuss about Upstream processing.
3. Explain about the types of fermentor.
4. Elaborate notes on cell disintegration.
5. Explain the microbial production of enzymes.

**792E2420: BIOSTATISTICS AND BIOINFORMATICS**

1. Elaborate notes on types of representation.
2. Explain about the measurements of central tendency.
3. Discuss about the structural databases and EST databases.
4. Explain about the structure and types of protein.
5. Discuss about Bio net news groups.

***OPTIONAL PAPER***

**792E2430 (1): ENVIRONMENTAL MICROBIOLOGY (OR)**

1. Discuss about the characteristics, structure and functions of Ecosystem.
2. Explain about Algal blooms.
3. Explain about airborne diseases and preventive measures.
4. Elaborate notes on liquid waste treatment.
5. Discuss about Genetically modified organisms and its impact.

**792E2430 (2): TECHNIQUES IN MICROBIOLOGY (OR)**

1. Explain about pure culture techniques.
2. Discuss about spectroscopic methods.
3. Explain about differential centrifugation and its applications.
4. Discuss about the principle, types and applications of Column chromatography.
5. Elaborate notes on blotting types.

**792E2430 (3): MICROBIAL INOCULANTS & MUSHROOM TECHNOLOGY**

1. List out the types, advantages, and applications of biofertilizer.
2. Explain about symbiotic forms.
3. Explain about Cyanobacterial biofertilizers.
4. Elaborate notes on edible and non-edible mushrooms.
5. Discuss about the cultivation of Oyster mushroom.