

Semester Pattern: 2024-25

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).
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, Center 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 : **15.04.2025**

Last date with late fee of Rs.300 (three hundred only) : **30.04.2025**

Dr. T. SRINIVASAN

Director

CENTRE FOR DISTANCE AND ONLINE EDUCATION

S792 – M.Sc. MICROBIOLOGY

SECOND YEAR – IV SEMESTER

ASSIGNMENT TOPICS

792E2410: BIOPROCESS TECHNOLOGY.

1. Brief notes on fermentation types.
2. Write an essay on industrially important Microorganisms.
3. Give a detailed note on Computer applications in fermentation technology.
4. Describe about biomass separation by centrifugation.
5. Explain in detail about microbial production of antibiotics.

792E2420: BIOSTATISTICS AND BIOINFORMATICS.

1. Give a brief notes on Biostatistics.
2. Explain about different types of correlation.
3. Brief account on Bioinformatics.
4. Describe about tools in bioinformation.
5. Give an elaborate notes on applications of computer and internet for research.

OPTIONAL PAPER (CHOOSE ANY ONE)

792E2430 (1): ENVIRONMENTAL MICROBIOLOGY.

1. Write a brief notes on composition and structure of environment.
2. Explain in detail about factors influencing eutrophication.
3. Brief account on air borne transmission of microbes.
4. Describe about types of waste treatments.
5. Write short notes on global environmental problems.

792E2430 (2): TECHNIQUES IN MICROBIOLOGY.

1. Give an elaborate notes on Staining techniques.
2. Write short notes on Biosensor.
3. Give a short notes on Principles and types of centrifugation.
4. Explain about Thin layer chromatography.
5. Write an essay on Principle and types of Agarose gel electrophoresis.

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

1. Give a brief notes on fungal biofertilizers
2. Explain about bacterial biofertilizers.
3. Brief account on Actinomycetes as biofertilizers.
4. Write short notes on most commonly cultivated mushroom in the world.
5. Give an elaborate notes on cultivation of button mushroom.