



ANNAMALAI UNIVERSITY

(Accredited with 'A+' Grade by NAAC)

DIRECTORATE OF DISTANCE EDUCATION

Annamalainagar – 608 002

S792 - M.Sc. Microbiology

Semester Pattern: 2023-24

Instructions to submit First 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, DDE 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 First semester assignments in one envelope.** Send your assignments by Registered Post to The Director, Directorate of Distance Education, Annamalai University, Annamalai Nagar – 608002.
8. Write in bold letters, “ASSIGNMENTS – FIRST 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 first semester assignments : **15.11.2023**

Last date with late fee of Rs.300 (three hundred only) : **30.11.2023**

Dr. T.SRINIVASAN

S792 - M.Sc. Microbiology

First Semester

792E1110 - General Microbiology (5 x 5 Marks =25 marks)

1. Write an essay on classification of microorganisms
2. Give a detailed notes on bacterial staining methods
3. Brief notes on structure of Bacterial cell
4. Explain in detail about sterilization methods
5. Describe preservation methods of microbes

792E1120 - Microbial Physiology and Metabolism (5 x 5 Marks =25 marks)

1. Give an elaborate notes on Phases of growth curve, measurement of growth & calculations of bacteria
2. Describe about synthesis of bacterial cell components
3. Brief account of photosynthetic and accessory pigments of cyanobacteria
4. Explain about Krebs cycle & TCA cycle
5. Give a brief notes on bacterial cell division

792E1130 - Microbial Genetics & Molecular Biology (5 x 5 Marks =25 marks)

1. Describe about chemistry, forms and physical properties of DNA.
2. Write a brief notes on mutation and mutagenesis
3. Explain in detailed about RNA – structure and it's types
4. Brief account of lac operon and trp operon.
5. Classify bacterial transductions
