

**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](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 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 : **15.04.2025**

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

**Dr. T. SRINIVASAN**  
Director

**CENTRE FOR DISTANCE AND ONLINE EDUCATION**  
**S155 – M.Sc. COMPUTER SCIENCE**  
**FIRST YEAR – II SEMESTER**  
**ASSIGNMENT TOPICS**

**155E1210: DISTRIBUTED OPERATING SYSTEM.**

1. Explain the types of Advanced Operating System.
2. Distinguish Mutual exclusion in single computer system and distributed System.
3. Explain the working principle of Distributed File System (DFS) with neat sketch.
4. Write a note on Failure Models.
5. Briefly explain about Basic Multiprocessor Architecture.

**155E1220: DOT NET PROGRAMMING.**

1. Case study of Visual Studio DOT NET Latest Version.
2. List the Steps for Creating a Visual Basic Application.
3. Describe the Overview of ASP DOT NET Architecture.
4. Compare structure and Classes.
5. Explain the Components of ADO DOT NET with Block diagram.

**155E1230: CRYPTOGRAPHY NETWORK SECURITY.**

1. Write a brief note on Components of Cryptosystems.
2. Discuss in details about RSA Algorithm.
3. Discuss in detail about PGP (Pretty Good Privacy) Services.
4. Explain in detail about IP security Architecture.
5. Explain the various approaches for Intrusion Detection.

**155E1240: ADVANCED DATABASE MANAGEMENT SYSTEM.**

1. Explain Database Architecture in details.
2. Distinguish the types of Distributed database System.
3. Discuss about the Special query techniques.
4. Explain about the creation of XHTML documents.
5. Discuss about Various fields in multimedia application.

**155E1270-Elective – II: RESOURCE MANAGEMENT TECHNIQUES.**

1. Explain the Operations Research (OR) and their typical applications.
2. List the steps involved in the revised simple's method.
3. Explain the dual simple method with example.
4. Explain the Least Cost method and suitable example.
5. Explain about Network Diagram Representation.