

ANNAMALAI UNIVERSITY
Directorate of Distance Education
248 - Master of Computer Applications
Second Semester 2021-2022
Internal Assessment – Assignment Topics

This booklet contains assignment topics for the first semester. Students have to write and submit assignment for FIVE papers as per the instructions given below.

1. Assignment should be in the own handwritten of the students concerned and not type-written or printed or photocopied.
2. Assignment should be written only A4 paper on one side.
3. All assignments (with enrollment number marked on the top right hand corner on all pages) should be put in an envelope with superscription “M.C.A-Assignments” and send to The Director, Directorate of Distance Education, Annamalai Nagar -608 002 by registered post.
4. No notice will be taken on assignments which are not properly filled in with enrolment number and the title of the papers.
5. Students should send full set of assignments for all papers. Partial assignments will not be considered.

Assignment Instructions

You are expected to write the answers for all the FIVE questions for each course.

Each answer should not exceed 5-pages.

Each assignment carries 25 marks (5 questions X 5 marks =25 marks)

Date to Remember

Last Date for Submission : 15/05/2022

Last Date for submission with late fee Rs.300/-

Assignment sent after 30/05/2022 will not be considered for valuation

Dr. R.SINGARAVEL
Director

211 Java programming

1. Explain in detail about passing away in methods.
2. Define JDBC connectivity
3. Explain any two API package of Java.
4. Write a short note on cookies.
5. Discuss about simple client –server application using RMI

221 Computer Networks

1. Explain the guided transmission media with its types.
2. What is IP address? How are IP address divided into categories?
3. Explain user Datagram protocol (UDP) in detail.
4. Discuss about sliding Window protocols with its working process.
5. Explain the various elements of transport protocols.

231 Digital Image Processing

1. Explain the various basic relationships between pixels
2. What is hit –or-miss transformation? Explain
3. Write the difference between image restoration and image enhancement.
4. What are the techniques used for image smoothing?
5. Write the application of segmentation.

241 Data Mining Techniques

1. Write a note on data mining metrics.
2. Discuss about decision tree induction.
3. Explain- cluster analysis.
4. What is prediction? Explain.
5. Define meta data repository.

242 Artificial Intelligence

1. List a few of the task domains of AI
2. Explain the concept of semantic nets.
3. What is the role of semantic analysis in NLP? explain
4. Define –(a) Supervised learning
(b) Unsupervised learning
5. Explain the concept of energy subsets and membership function.

251 Resource Management Techniques

1. What is OR technique? List any four application areas of OR.
2. Illustrate Newton-Rephson method with suitable example
3. State the importance of integer programming.
4. Differentiate between PERT and CPM with suitable example.
5. Give Limitations of Linear programming.