

ANNAMALAI UNIVERSITY
DIRECTORATE OF DISTANCE EDUCATION
248 - Master of Computer Applications
Third Semester 2022-2023
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: 01/11/2022

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

Assignment sent after 15/11/2022 will not be considered for valuation

Dr. R.SINGARAVEL
Director

(5x5=25)

248E2310 WEB TECHNOLOGY

1. Explain the basic features that make HTTP a simple.
2. Explain Table Properties with an example.
3. Discuss the various conditional statements in Java Script.
4. Write PHP code to upload the image file.
5. Describe the different types of Array in PHP.

(5x5=25)

248E2320 MOBILE COMPUTING

1. Examine the efficiency of the user interface.
2. Give a detailed account on Android application components.
3. Different phases of workflow for application development.
4. Explain in detail about location based services.
5. Discuss in detail about various GSM services.

(5x5=25)

248E2330 BIG DATA ANALYTICS

1. Difference between analysis and reporting.
2. Explain the concept of PCA with suitable example.
3. Stock market predictions with suitable examples.
4. Write a R program for implementation of K-means clustering with suitable example.
5. Explain the concepts of Map Reduce Pattern.

(5x5=25)

248E2340 PYTHON AND R PROGRAMMING

1. Write a Python program to display all the prime numbers with in a range
2. Python program to find element occuring odd number of times in a list.
3. Develop Python script to send a E-Mail.
4. Write a R program to create a vector which contains 10 random integer values between -50 and +50.
5. How do you build and evaluate a random forest in R?

(5x5=25)

248E2350 (1) INTERNET OF THINGS

1. Explain architecture of internet of things (IOT)
2. Discuss the four elements of IOT.
3. How many stages are there in IOT processor? Explain
4. What is IOT? How does IOT work?
5. Explain the advantages and disadvantages of IOT.

(5x5=25)

248E2350 (2) MACHINE LEARNING

1. What is machine learning? Explain
2. How does machine learning work?
3. Explain classification of machine learning
4. Discuss the importance of machine learning
5. Explain machine learning algorithms.
