

Nalanda Open University
Assignment Questions (Session-2016-19)
(Year of Issue -2017 for Examination 2018)
Master of Computer Application (M.C.A.) Part-II

Method of Submission of Assignment

Each student shall be required to submit two assignments of 20 marks in each theory paper of all programmes where no practical/project work is prescribed. For this purpose, the University administration will set out and provide to each student three different topics in each theory paper; out of which he/she will be required to write out and submit assignment work only on two topics of his/her choice in the answer book provided to him/her for this purpose by the University. Both the assignments, each carrying equal marks, shall be evaluated for the purpose of examination. It is again emphasized that writing of two assignments in each theory paper, where no practical / project work is prescribed, is compulsory and unless it is done and assignment copy submitted to the University on the date of the examination of the theory portion of the concerned paper, the study requirement of the student will not be taken to have been completed and he/she will be declared to have failed. Besides, it has, now, been decided by the University to club the marks obtained by a student in his/her assignment work /project work with the marks obtained by him/her in the written examination of that paper to determine his/her pass percentage in the concerned paper. Hence, it is in student's interest that he/she submits the assignment work in time. Students are also advised to prepare their assignments very carefully and meticulously. They must write assignment in their own handwriting. Assignment answers should not be copied from the learning material supplied by the University or from any other source. Assignments must be submitted in the answer books provided to the students by the University for this purpose. In no case, assignment written in private copy will be accepted by the University. In case of loss of assignment copy, fresh assignment copy may be procured from the University on payment of Rs.100.00 by bank draft. Similarly, Project-Work, wherever prescribed, must also be submitted by the fixed date, failing which the student will be deemed to have failed in the concerned subject.

ASSIGNMENT QUESTIONS

Master of Computer Application (M.C.A.) Part-II) (New Batch

Paper-IX

(Internet Concepts and Web Design)

(Practical Work)

Paper-X

(Computer Graphics and Multimedia)

Answer Any Two Questions. (सभी प्रश्न 10-10 अंकों के हैं)

1. What do you mean by retracing? Define horizontal as well as vertical retracing?
2. Compare Bresenham line generation with DDA line generation.
3. Discuss the significance of writing Metafiles in GKS.

Paper-XI

(Software Engineering)

Answer Any Two Questions. (सभी प्रश्न 10-10 अंकों के हैं)

1. Discuss the layered approach of software engineering.
2. Discuss various Project Management Tools.
3. Describe various software analysis and design tools.

Paper-XII

(Management Information System)

Answer Any Two Questions (सभी प्रश्न 10-10 अंकों के हैं)

1. Discuss in detail the Information System Architecture.
2. What are the six key elements required for designing and organizational structure?
3. Describe the relationship between ESS, MIS, and DSS.

Paper-XIII
(Operating System)
Practical
Paper-XIV
(Database Management Systems)
Practical
Paper-XV
(Object Oriented Programming (Using JAVA))
Practical
Paper-XVI
(Computer Network)

Answer Any Two Questions. (सभी प्रश्न 10-10 अंकों के हैं)

1. Explain the OSI reference model in detail.
2. Describe sliding-window flow control.
3. Explain various congestion control schemes.

ASSIGNMENT QUESTIONS

Master of Computer Application (M.C.A.) Part-II (Old Batch)

Paper-XI , XV and XX (Practical Work)

Paper-XII

(MCS-032(Object Oriented Analysis And Design))

Answer Any Two Questions.(सभी प्रश्न 10-10 अंकों के हैं)

1. Explain the following modeling techniques with examples and diagrams-(a) Object Modeling (b) Dynamic Modeling
2. Explain the Concurrency Identification concept for the real life objects with example.
3. Define persistent data. How do we identify persistent data? Define serialization. Where it can be used and why?

Paper-XIII

(MCS-034(Software Engineering)

Answer Any Two Questions.(सभी प्रश्न 10-10 अंकों के हैं)

1. Explain the following:-(i)Work Break through structure (ii)Flow Graph
2. What are the various metrics to be measured and analyzed for the web -applications? Explain them briefly.
3. Explain the step-by-step evolutionary view of the software Reengineering life-cycle. List all the elements of a Good Interface design.

Paper-XIV

(MCS-035 (Accountancy and Financial Management)

Answer Any Two Questions.(सभी प्रश्न 10-10 अंकों के हैं)

1. Describe different kinds of accounting.
2. What is working capital ? Describe its sources.
3. Define Accounting and throw light on its scope.

Paper-XVI

(MCS-021(Data and File Structures)

Answer Any Two Questions.(सभी प्रश्न 10-10 अंकों के हैं)

1. Design algorithms for various operations performed on circularly linked list.
2. Explain the depth first search algorithm with example.
3. Write a procedure to create, insert and delete an element in queue.

Paper-XVII

(MCS-022(Operating system concepts and Networking Management)

Answer Any Two Questions. (सभी प्रश्न 10-10 अंकों के हैं)

1. What are the two modes in which Windows 2000 system works? Explain its architecture with the help of a diagram.
2. What is protocol? How does a Token Bus Network Work? In what ways is its working different from token ring?
3. Explain the process used by Kerberos to authenticate network clients logging onto a Windows 2000 domain.

Paper-XVIII

(MCS-023(Introduction to Database Management Systems)

Answer Any Two Questions. (सभी प्रश्न 10-10 अंकों के हैं)

1. List the data models, used to structure the data in Database systems.
2. What is transaction in DBMS? Explain the ACID properties of transactions in Database system.
3. Explain the following terms:-(i) Equi Join (ii) Data Replication (iii) Entity Integrity Constraints.

Paper-XIX

MCS-024(Object Oriented Technologies and Java Programming)

Answer Any Two Questions.(सभी प्रश्न 10-10 अंकों के हैं)

1. Discuss features of Java and differentiate between the string and string buffer classes in Java.
2. Explain the concept of nested classes in Java. Write a Java program that finds the area of a circle.
3. Explain the concept of abstract classes and differentiate it with interface.