

Nalanda Open University
Assignment Questions(Session-2019-22)
(Year of Issue -2019 for Examination 2020)
Master of Computer Application (M.C.A.)Part-I)

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-I)

Paper-I

(Practical Work)

Paper-II

(Answer Any Two Questions (All questions are of 10 marks.)

1. Describe RS flip-flop and JK flip-flop with their circuit diagram.
2. What is a cache? Explain different mapping procedure for cache organization.
3. Describe the tools required for Assembly Language in detail.

Paper-III

(Answer Any Two Questions (All questions are of 10 marks.)

1. Define Reflexive Relation, Symmetric Relation and Transitive Relations with example.
2. What is the chance that a leap year selected at random will contain (i) 53 Sunday, (ii) 53 Thursday or 53 Friday.
3. Find the remainder when $(53)^{49}$ is divided by 36.

Paper-IV

(Answer Any Two Questions (All questions are of 10 marks.)

1. What is group discussion? Explain its characteristics.
2. How does culture affect communication?
3. What is editing? Discuss the different types of editing.

Paper-V

(Answer Any Two Questions (All questions are of 10 marks.)

1. Discuss the constraints and characteristics of a System. What are the elements of a system?
2. Draw Data Flow Diagram and develop SRS for Hotel Management System.
3. What are the various approaches of development of an Information system? Explain in detail.

Paper-VI

(Practical Work)

Paper-VII

(Answer Any Two Questions (All questions are of 10 marks.)

1. How an Object Oriented design implemented? Explain with the help of an example.
2. What is Polymorphism? Differentiate between operator overriding and operator overloading.
3. List and describe the elements of a State Diagram. Give an example of state diagram

Paper-VIII

(Practical Work)