



MONAD
UNIVERSITY
Established by UP State Govt. Act 23 of 2010
& UIS 2 (f) of U.G.C. Act 1956

Programme: MCA/M.Sc-CS-III sem

Semester: I

Course:

MCA-211	Computer Networks
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Assignment No: 1

Due date of submission: 11.09.2017

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1

(a)

Q.1

(a) What do you mean by computer network? Explain in brief.

(b) What do you mean by term "Topology"? Explain in brief.

Q2.

(a) Describe the OSI model in brief.

(b) Differentiate between LAN and WAN with the help of example.

Programme: MCA/M.Sc-CS-III sem

Semester: III

Course:

MCA-212	Design & Analysis of Algorithms
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Assignment No: 1

Due date of submission: 11.09.2017

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q. 1 (a) What do you mean by Asymptotic Notations? Explain in brief.

(b) Differentiate between Insertion sort and Merge sort.

Q. 2 (a) What do you mean by “Complexity of Algorithms”. Explain in brief.

(b) Describe the following:

(i) Heap Sort

(ii) Quick sort

Programme: MCA/M.Sc-CS-III sem

Course:

MCA-213	Software Engineering
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Submission Date: 11 September 2017

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your name ,Programme and enrollment number clearly at the top of the Pages

Q.1

- a) Write all the advantages of Software Engineering?
- b) What is SDLC? Explain in brief.

Q.2

- a) “ A software does not wear out”. Write a brief note on this statement.
- b) What is software? Explain all of its types

Programme: MCA/M.Sc-CS-III sem

Semester: III

Course:

MCA-214	Internet & Java Programming
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Assignment No: 1

Due date of submission: 11.09.2017

Instructions:

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q.1

- (a) What do you mean by “internet”? Explain in brief.
- (b) Define the use of e-mail.

Q2.

- (a) Describe all the operators used in JAVA.
- (b) Describe all the data types and control statements used in JAVA.

Programme: MCA/M.Sc-CS-III sem

Semester: III

Course:

MCA-215-1

ADVANCED DATABASE MANAGEMENT SYSTEMS

Assignment No: 1

Due date of submission: 11.09.2017

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD/Faculty within the due date (11/09/2017).
3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q. 1 (a) Differentiate between “Extended Relational Model” & “Object Oriented Database System”.

(b) What do you mean by “Structured Types”. Explain in brief.

Q. 2 (a) Describe the concept of “Object Identity”.

(b) What do you mean by “Expert Database System”. Explain in brief..