



MONAD UNIVERSITY, HAPUR (UP)

Programme: BCA

Semester: II

Course: BCA-121 DBMS

Assignment No: 1

Due date of submission: 12.03.2019

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.

Q1 (a): What is DBMS and explain architecture of DBMS.

(b): Define database model in detail and describe type of data base.

Q2 (a): Explain the term SQL and type of command in SQL.

(b): Define data type SQL?



MONAD UNIVERSITY, HAPUR (UP)

Programme: BCA

Semester: II

Course: BCA-122 Data Structure

Assignment No: 1

Due date of submission: 12.03.2019

Instructions:

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Q1 (a): What is a data structure? Difference between primitive data structure and non primitive data structure.

(b): How is the queue different from the stack?

Q2 (a): Define an array and explain type an array?

(b): What is stack and how to perform stack operation?



MONAD UNIVERSITY, HAPUR (UP)

Programme: BCA

Semester: II

Course: BCA-123 Computer Communication Network

Assignment No: 1

Due date of submission: 12.03.2019

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Q1 (a): Define Network? And explain mode of communication.

(b): What is OSI Model? And explain layer of OSI Model.

Q2 (a): Describe Transmission Media? and explain any one example in detail.

(b): What do you understand by ISDN Service.



MONAD UNIVERSITY, HAPUR (UP)

Programme: BCA

Semester: II

Course: BCA-124 Digital Electronics and Computer Organization

Assignment No: 1

Due date of submission: 12.03.2019

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Q1: (a) What are logic gates? Explain in detail with truth table and logic diagram.

(b) Describe the Demorgan's laws in detail.

Q2: (a) Describe 3*8 line decoder with the help of logic diagram and truth table.

(b) What is K-Map? Explain with the help of any example.



MONAD UNIVERSITY, HAPUR (UP)

Programme: BCA

Semester: II

Course: BCA-125 Mathematics-II

Assignment No: 1

Due date of submission: 12.03.2019

Instructions:

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Q.1

- (a) As you are aware of the sequences, define sequences with examples?
- (b) State and prove the Cauchy convergence criterion.

Q2.

- (a) As you are aware of infinite series, define convergent, divergent and oscillatory series.
- (b) Test the convergence of the series:

$$\frac{1}{2.3} + \frac{1}{3.4} + \frac{1}{4.5} + \frac{1}{5.6} + \dots$$



MONAD UNIVERSITY, HAPUR (UP)

Programme: BCA

Semester: II

Course: MC-121-EVS

Assignment No: 1

Due date of submission: 12.03.2019

Instructions:

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Q.1(a) : What is environmental science?

(b) : What is the role of Air in environment?

Q2 (a): What are main differences between living and non living organisms?

(b): How we get Vitamin-D from environment explain it ?