



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.SC

Semester: IV

Course: BCS-221 Analysis of Algorithm and Data Structure

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 a data structure? Difference between primitive data structure and non-primitive data structure.

(b): What is pointer with an example?

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

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



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Semester: IV

Course: BCA-ACN

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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.



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Semester: IV

Course: BCA-CNS

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Q.1 (a): As you know, in classical cryptography, the various parameters used by a decryption algorithm are derived from the same secret key that was used in the encryption algorithm. Explain the concept of classical encryption techniques?

(b) Differentiate between active attacks and passive attacks in brief.

Q.2 (a): As we know that there are three layers of OSI network security. So can you explain the security mechanism in detail?

(b) As we know that security services are the main component to secure our data. So can you explain types of security services it will help you learn more about the topic?



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.SC

Semester: IV

Course: BCA-222 COMPUTER GRAPHICS

Assignment No: 1

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Q1: (a) What are The Advantages of Interactive Graphics?

(b) What is Raster-Scan Display? Explain in brief.

Q2: (a) Define Southland- Cohen Algorithm with the help of suitable example.

(b) What is Midpoint Subdivision Algorithm? Explain in detail.



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Semester: IV

Course: BCA-223 JAVA

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Q 1 (a): Explain Inheritance with one example.

(b) Define Control Structured? Explain type of Control Structure.

Q2 (a): What do you mean by Constructor. and also explain type of constructor.

(b): Explain life cycle of applet.



MONAD UNIVERSITY, HAPUR (UP)

Programme: B.SC

Semester: IV

Course: MC-221 **Positive pscyclogy**

Assignment No: 1

Due date of submission: 12.03.2019

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Question:-1

- a). What is the most interesting issue underlying positive psychology?
- b) How should each of "Positive psychology" and "Well-being" be defined, and how are they related?.

Question:-2

- a) Name and describe the three elements of the good life.
- b) *What are the characteristics of a positive life, and how can they be measured and taught?*