



## MONAD UNIVERSITY, HAPUR (UP)

**Programme:** B.SC

**Semester:** IV

**Course:** BCS-221 Analysis of Algorithm and Data Structure

Assignment No: 2

Due date of submission: 22.04.2019

**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 stack? Explain it with diagram and its operations.

(b): What is queue? Explain it with diagram

Q2 (a): Define pointer with example?

(b): What is function with example?



## MONAD UNIVERSITY, HAPUR (UP)

**Programme:** B.SC

**Semester:** IV

**Course:** BCA-ACN

Assignment No: 2

Due date of submission: 22.04.2019

**Instructions:**

1. Write the responses to the assignment in your own handwriting.
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3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q1 (a): Define piggybacking?

(b): What is data link layer? And explain function of layer .

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

(b): What do you understand by TCP/IP Model.



## MONAD UNIVERSITY, HAPUR (UP)

**Programme:** B.SC

**Semester:** IV

**Course:** BCA-CNS

Assignment No: 2

Due date of submission: 22.04.2019

### **Instructions:**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
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### **Q.1**

(a) As you know in network security there are many protocols for secure communication. So explain Secure Socket Layer in brief.

(b) As you aware of the concept of symmetric key cryptography encryption. So, explain the DES algorithm in brief.

### **Q.2**

(a) As we have already discussed the algorithm of RSA in the class. So solve the given question using RSA.

$P=17$ ,  $q=9$ ,  $e=7$  and  $d=21$ .

Calculate the public key and private key. And show encryption and decryption for plain text=5.

(b) As you know the concept of hashing? So, explain the concept of SHA.



## MONAD UNIVERSITY, HAPUR (UP)

**Programme:** B.SC

**Semester:** IV

**Course:** BCA-222 COMPUTER GRAPHICS

Assignment No: 2

Due date of submission: 22.04.2019

### **Instructions:**

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

### **Q.1**

(a) As you are aware of transformations. So, you can explain three dimensional transformations in detail. Do it.

(b) As you are aware of clipping. So, you can explain polygon clipping with suitable example. Do it.

### **Q.2**

(a) As you are aware of projection. So, you can explain parallel projection in detail. Do it.

(b) As you know about hidden surfaces and lines. You will learn more about it, if you attempt to explain scan line method. Go ahead.



## MONAD UNIVERSITY, HAPUR (UP)

**Programme:** B.SC

**Semester:** IV

**Course:** BCA-223 JAVA

Assignment No: 2

Due date of submission: 22.04.2019

### **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.

Q 1 (a): Explain applet with life cycle of applet.

(b): What is exception with example?

Q2 (a): Write a program for addition of two numbers in java.

(b): Write a program to print a table of any number in java.

(c): What is inheritance and define its types in java with diagram.



## MONAD UNIVERSITY, HAPUR (UP)

**Programme:** B.SC

**Semester:** IV

**Course:** MC-221 **Positive psychology**

Assignment No: 2

Due date of submission: 22.04.2019

### **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.

### **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?*