



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

**Programme:** BCA

**Semester:** I

**Course:** COMPUTER COMMUNICATION NETWORKS (BCA-211)

Assignment No: 2

Due date of submission: 23.10.2017

**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 are the applications of Computer Network?
- b) What factors affect data transmission?

Q.2

- a) What is IP address?
- b) What is IPv6? Explain its advantages over IPv4?

**Programme:** BCA-III

**Course Name:** Operating System (BCA-212)

**Course Code:**

Assignment No: 2

Due date of submission: 23.10.2017

### **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 No. clearly at the top of page.

### **Question No. 1.**

a) As you know about Critical Section problem. Explain critical section and give the Peterson's solution for critical section problem.

b) As you are aware of system call. You will learn more, if you attempt to explain system calls for windows and UNIX operating system. Do it.

### **Question No. 2.**

a) You are aware of Scheduling. So you can differentiate preemptive and non-preemptive scheduling with the help of an example of each. Also discuss the criteria for CPU scheduling. Do it.

b) Consider the following table :

Process	Burst Time
P1	5
P2	6
P3	4
P4	2

Draw Gantt chart and calculate Average Waiting Time (AWT) and Average Turn Around Time (ATAT) for FCFS and SJF (Non-preemptive) scheduling algorithms.

**Course:** OBJECT ORIENTED PROGRAMMING & C++ (BCA-213)

Assignment No: 2

Due date of submission: 23.10.2017

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3. Write your name ,Programme and enrollment number clearly at the top of the Pages

Q.1

a) Differentiate the terms given below

1) Statement and methods

2) = operator and == operator

b) Explain the concept of generalisation and specialisation.

Q.2

(a) WAP to find addition, subtraction, multiplication or division takes the input from user with the help of switch case statement. Make the program with the help of class and object.

b) Draw the flow chart of question number 2(a).

**Assignment no- 2**  
**Course code -BCA-214-1**  
**Class-BCA-V SEM**  
**Title – Financial Management.**  
**Last Dates for Submission: 23-10-17**

**Instructions**

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

Write your Name, Programme, and Enrolment No. clearly at the top of the page

**Question:-1**

- a) Define Cost of capital. How is the cost of debt computed?
- b) In what respect is the objective of wealth maximization superior to the profit maximization objective.

**Question;-2**

- a) Explain the concept of working capital. Name the sources of working capital.
- b) What are the main tasks of the finance manager in today's business environment?

**Programme:** BCA

**Semester:** III

**Course:** BCA-215-2(Business system & Applications)

Assignment No: 2

Due date of submission: 23.10.2017

**Instructions**

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

Q. 1 (a) As you know that taking effective decision is very important for any organization. So can you explain the decision-making process in detail?

(b) What is Office Automations System? Write about all types of Office Automation systems.

Q. 2 (a) Discuss the advantages and disadvantages of ERP in detail.

(b) Explain the following terms:

(i) AI based information system

(ii) Data processing