

Tilak Maharashtra University
Bachelor of Computer Applications

Introduction to Computer And Operating System (44112)

Marks: 60 (20 for Each Assignment)

Assignment No: 1

- A] Fill in the blanks and rewrite [5]
1. _____ actually executes the instructions and performs all the calculations and decisions.
 2. The Father of Modern Digital Computer is _____.
 3. Personal computer was introduced for use in office, home and schools in 1981 by _____.
 4. The first transistorized computer was PC-AT.
 5. The _____ uses a hard sphere to control cursor movement.

- C] Answer the following [15]
1. Explain the organization of Computer System.
 2. Explain the classification of computer.
 3. Define: Peripheral Devices, Input Devices, and Output Devices.
 4. What are non-impact printers? Describe any two types.
 5. Write short notes on: Voice recognition System, Computer Output Microfilm (COM) and 4th Generation of Computers.

Assignment No: 2

- A] Fill in the blanks and rewrite [5]
1. EPROM is _____
 2. Secondary storage is also called _____
 3. The assembly languages use the _____ in place of operation codes.
 4. A _____ is a pictorial representation of the algorithm.
 5. C was designed and developed at _____
- C] Answer the Following [15]
1. Write a note on Primary Storage.
 2. Write note on Sequential Access, Direct Access & Optical Devices.
 3. Short note on 4 GL, Assembly Language.
 4. Draw a flowchart for following: -
 - a. Accept 5 numbers from user and print the Minimum amongst the both.
 - b. Accept 5 numbers from user, one at a time and print their average.
 - c. Find the area & Perimeter of a Rectangle with sides S1 & S2.

Assignment No: 3

- A] Fill in the blanks and rewrite [5]
1. The _____ is a program in execution.
 2. In _____ systems, two or more CPUs are connected together.
 3. In _____, it is possible to run more than one application at a time.

4. Central computer is also called the _____
5. The geometrical arrangement of nodes in the network is known as _____

B] True or False [5]

1. The operating system acts as an interface between the user and the computer.
2. The total amount of work performed by the operating system over a period of time is known as response time.
3. Spooling means Simultaneous Peripheral Output On Line.
4. In a star network a number of computers and devices are connected to each other in a closed loop arrangement.
5. Digital signal is converted into an analog signal for transmission is known as demodulation.

C] Answer the following [5]

1. Explain functions of Operating system.
2. What is multiprogramming
3. What is Character map?
4. What are the advantages of Windows operating system over dos?
5. What is Multiprocessing?

D] Match the following [5]

Column A

1. Network layer
2. Application Layer
3. Presentation Layer
4. Physical Layer
5. The Data link layer

Column B

- a) Non essential network services
- b) is between the physical and network layer.
- c) Includes physical elements i.e. hardware
- d) Provides services for the end user
- e) determines the route between source and destination.