

# **Assignment – 1**

## **1. Attempt *all* questions in brief.**

- a. What do you mean by Hardware?
- b. Explain Primary Memory.
- c. Define topology.
- d. Describe computer network.
- e. Explain email with example.

## **2. Attempt the following questions.**

- a. Explain the function of web browser in short.
  - b. How command based is different from GUI based operating system.
  - c. Explain any three web browsers with its features.
  - d. What is the function of output unit?
  - e. Discuss multiprogramming, multitasking and multiprocessing operating system.
3. Explain Pseudo Code. Write Pseudo code for computing largest of two numbers.
4. Write short note on Compiler and Interpreter.
5. Explain operating system with its various functions.
6. Differentiate LAN, MAN and WAN.
7. Differentiate among assembler, compiler and interpreter.
8. Discuss the role of operating system in process management, file management, device management and memory management.
9. Describe any four topologies with their respective advantages and limitations.
10. Define the term algorithm. Discuss its characteristics? Write an algorithm to find maximum of two numbers.
11. Write an algorithm to check whether a given number is even or odd.
12. Build a flow chart to calculate the factorial of a number.
13. What do you mean by memory? Classify memory hierarchy in terms of speed, size and cost.
14. What is meant by data communication? Explain its characteristics.
15. What is the role of an operating system in resource allocation?