Lesson: 1: Computer System Overview

A.   (Q1 to Q10) There are four options against each question. Choose the option which you   consider the most appropriate as your answer.

1. Which unit is responsible for converting the data received from the user into a computer understandable format?
a) Memory Unit
b) Arithmetic & Logic Unit
c) Input Unit
d) Output Unit

2. The only language which the computer understands is _____
a) Assembly Language
b) Binary Language
c) BASIC
d) C Language

3. The smallest unit of data in computer is _____
a) Byte
b) Nibble
c) Bit
d) KB

4. One nibble is equivalent to how many bits?
a) 2
b) 4
c) 8
d) 1

5. 1 yottabyte = _____
a) 1024 TB
b) 1024 EB
c) 1024 ZB
d) 1024 PB

6. Which of the following is not a function of the Input Unit?
a) It reads instructions and data from the outside world
b) It converts the data into computer acceptable format
c) It makes the data into user understandable format
d) It supplies the data and instructions to the computer for further processing

7. The 'heart' of the processor which performs many different operations _____

a) Arithmetic and logic unit
b) Motherboard
c) Control Unit
d) Memory

8. ALU is the place where the actual executions of instructions take place during the processing operation.
a) True
b) False

9. The process of producing useful information for the user is called _____
a) Controlling
b) Outputting
c) Inputting
d) Processing

10. The output unit converts the data entered by the user into computer understandable form.
a) True
b) False

B.   Short Answer Questions:

a) Define the IPO cycle.

b) Differentiate between data and information.

c) What are the functions of the control unit?

d) Write difference between compiler and interpreter.

e) Write difference between RAM and ROM.

f) Write difference between cold and warm booting.

C.   Long Answer Questions:

a) Explain the functional components of a computer with the help of a block diagram.

b) What is software? Explain different type of software with proper example.

c) What is the role of memory in a computer functioning? What types of memory does the computer work with?

d) Discuss the role of utility software in the context of computer performance.

e) Explain major functional components of mobile computer?