

FUNDAMENTAL

2008-11

Full Marks: 70

Time: 3 Hours

The questions are of equal value.
Answer any five questions .

1. How computer is defined? Give an account of the characteristics of different types of digital computer.
2. What is computer Memory? What are the different types of computer memory used in computer? Explain physical characteristic and unit of memory.
3. Differentiate between printer and plotter? Describe different types of printers along with their pros and cons.
4. Describe sequential, Direct and index- sequential method of data access in a computer system.
5. Explain the following:
 - a. Bar code Reader
 - b. Zip drive
 - c. Voice Recognition
 - d. Pointing input devices
6. What is system software? Explain the role of operating system software (o.s.) with suitable example?
7. Differentiate between a compiler and interpreter. How programming language are classified?
8. What is computer virus? How does it differ from biological virus? Give suitable suggestions for prevention of virus infection to a computer.
9. What do you understand by the term "communication channel"? Illustrate different types of communication channels used in a computer network.
10. Write difference between the following:
 - a. Analog and digital signal
 - b. Amplitude Modulation(AM) and Frequency Modulation (FM)
 - c. Router and Gateway.