

2018

Time : 3Hrs

Full Marks : 80

Candidates are required to give their answers in their own words as far as practicable.

The questions are of equal value.

Answer any five questions in which Q. No.1 is compulsory.

1. Fill in the blanks with suitable answers:
  - (a) OCR stands for .....
  - (b) The third generation computer used .....
  - (c) ..... is a computer virus.
  - (d) The 2's compliment number of 110010 is .....
  - (e) A step by step procedure used to solve a problem is called .....
  - (f) A brain of any computer system is .....
  - (g) ..... is used to prepare presentation.
  - (h) ..... is an external command of MS-DOS.
  - (i) ..... is a system software.
  - (j) Scanner is an ..... device.
  - (k) Hexadecimal number of Binary number 1011010 is .....
  - (l) UNIVAC is an example of ..... generation computer.

P.T.O.

- (m) ASCII stands for .....
- (n) Execution of two or more programs by a single CPU is known as .....
- (o) LAN is used in ..... topology.
- (p) MODEM speed is measured in .....
2. (a) Convert Hexadecimal to decimal number.
- (i)  $(DCC1)_{16}$
  - (ii)  $(F9A.BC3)_{16}$
- (b) Perform the following conversion:
- (i) Convert  $(64.245)_{10}$  to Binary
  - (ii) Convert  $(111011.101)_2$  to Decimal
  - (iii) Convert  $(562)_8$  to Binary
  - (iv) Convert  $(2B.C4)_{16}$  to Decimal
3. Differentiate them:
- (a) MS-DOS and MS-Windows
  - (b) Impact printer and Non-impact printer
  - (c) CISC processor and RISC processor
  - (d) Analog Signals and Digital Signals
4. What do you mean by Software? Explain the all types of software with example.
5. What do you mean by Computer? Write the classification of Computer in details.

6. What are different types of input device? Explain them in details.
7. What do you mean by Data Communication System? Explain various components of Data Communication System.
8. Explain the following term in short:
- (a) Moore's law
  - (b) Compiler
  - (c) WWW
  - (d) Internet
9. Write short notes on any four of the following:
- (a) Storage Device
  - (b) Virtual Memory
  - (c) Multi Programming Operating System
  - (d) Search Engine
  - (e) Super Computer
  - (f) Computer Languages

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