

8303

4

8. Write short notes on (Any Two):

(6)

(a) Bluetooth

(b) Data mining

(c) Cloud Computing

(400)

11/12/17 E.

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 8303

Unique Paper Code : 62341101

Name of the Paper : Computer Fundamentals(GEC-1.2)

Name of the Course : B.VOC. (CBCS)

Semester : I

Duration : 3 Hours

Maximum Marks : 50

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Section A is compulsory.
3. Attempt any five questions from Section B.

Section A

1. (a) Give full forms of: (4)
 - (i) SRAM
 - (ii) ALU
 - (iii) DVD

P.T.O.

(iv) BIOS

(b) 1Gigabyte (GB) = _____ MB = _____ KB (2)

(c) What are the key factors that characterize the memory (any two)? ()

(d) Name any two Human data entry devices. (2)

(e) What is the function of Motherboard? (2)

(f) Arrange the following in increasing order of their speed: Supercomputer, Microcomputers, Mainframe computers, Minicomputers. How is the speed of supercomputers measured (Give its unit only) (2)

(g) What is ASCII coding scheme? (2)

(h) What is the use of OCR? (2)

(i) Give the 2's complement of 110110 ()

Section B

2. (a) What is Operating System? Explain any two types of operating system. (3)

(b) What is the purpose of Application Software? Give two examples of system software. (3)

3. (a) Explain in detail the components of computer hardware. (3)

(b) Explain briefly the use of computers in the following areas: (3)

(i) Education,

(ii) Business

4. (a) Give the names and purpose of any three types of registers? (3)

(b) What is cache memory? Explain its need. (3)

5. (a) What is flash memory? Give its features (3)

(b) Define (i) seek time, (ii) latency time, (iii) data transfer rate of the magnetic disk. (3)

6. (a) Differentiate hand-held scanners and flat-bed scanners. (3)

(b) Define a bus? Explain any two types of buses. (3)

7. Convert the following:

(i) $(110110.01)_2 - (?)_{10}$ (2)

(ii) $(3232)_{16} - (?)_8$ (2)

(iii) Perform the binary arithmetic to calculate $:(+12) + (+10)$ (2)