

- (b) Give the difference between Primary memory and Secondary memory. (2)
7. (a) What is impact printer? Explain any one type of impact printers. (3)
- (b) What is a volatile and non-volatile memory? Explain with help of example. (3)
8. Write short notes on **(Any Two)**: (6)
- (i) Big Data
- (ii) Mobile Computing
- (iii) Data Mining

[This question paper contains 4 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 4150

Unique Paper Code : 62341101

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

Name of the Course : **B.VOC. (CBCS) 2019**

Semester : I

Duration : 2 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 form **Section B**.

Section A

1. (a) Give full forms of: (5)
 - (i) PC
 - (ii) MICR
 - (iii) ASCII

(iv) EEPROM

(v) OCR

(b) Define mainframe computer. (2)

(c) List two uses of the supercomputer. (2)

(d) What is the purpose of RAM? (2)

(e) Explain the any two limitations of a Computer system. (2)

(f) What are the applications of computers in Entertainment Industry? (2)

(g) 1 Terabyte (TB) = _____ GB = _____ KB. (2)

(h) Give the 2's Complement of 10101010100 (1)

(i) Arrange the following in order of speed and size :

Registers, Magnetic disk, Cache memory, RAM (2)

Section B

2. (a) Differentiate between System Software and Application Software with one example for each. (3)

(b) What are the components of the computer systems? (3)

3. Perform the following conversions : (6)

(i) $(BCA)_{16} = (?)_{10}$

(ii) $(110101011101)_2 = (?)_{16}$

(iii) $(345)_8 = (?)_2$

4. (a) What is Operating System ? Explain main functions of operating system. (3)

(b) What is an Optical Scanner? Explain how it works. (3)

5. (a) Write a short note on Plotter. (3)

(b) What is the use of the Device driver? (3)

6. (a) Perform the following operations :

(i) Add $(1001100100)_2$ and $(11101001001)_2$. (2)

(ii) Subtract $(101011111)_2$ from $(11110111)_2$. (2)