

4008-01

Printed Pages : 4

Degree (Part-I) (Voc.) Examination, 2021

( Honours )

BCA

[ PPU-D-I-(V)-H-BCA-1 ]

[ Paper : First ]

Time : Three Hours]

[Maximum Marks : 75

**Note :** Attempt **any five** questions in all. All the questions are of equal value. Question No.1 is **compulsory**.

1. Write short notes on the following terms/keywords :

- (a) CPU
- (b) Dot-Matrix printer
- (c) SASD
- (d) ROM
- (e) Magnetic Tapes

2.

- (a) What is Computer ? Discuss computer and human brain.
- (b) Describe Input and output units of computer with suitable examples.

3.

- (a) What is DOS ? Write any ten(10) commands of DOS.
- (b) What is the difference between mini and mainframe computer ?

4.

- (a) Convert F18, 367, E5.15 and 3A.2B hexadecimal numbers into decimal number.
- (b) Add the following binary numbers :
  - (i) 101011, 111011
  - (ii) 1001, 1001, 1101
  - (iii) 1110, 0110, 10111
  - (iv) 11011, 01001

5.

- (a) What is the difference between Machine and Assembly language ?

- (b) What is EBCDIC code ? Discuss with suitable example.
6. (a) What do you understand by Uniprocessor and Multiprocessor ?
- (b) Discuss architecture of 8088 microprocessor.
7. (a) Describe the functionality of the Laser printer.
- (b) What is difference between volatile and non-volatile memory ?
8. (a) Describe the fourth generation computer based on the hardware, software and characteristics.
- (b) Discuss super computer with suitable example.
9. (a) What is e-mail ? Write advantages of e-mail.
- (b) What is Program ? Write characteristics of good program.

10.

(a) What do you understand by online process and real time processing ?

(b) What is Compiler ? Write the function of compiler.

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