

Seat No. : _____

MA-112

March-2022

BCA., Sem.-I

CC-101 : Introduction to Computer and Emerging Technology

Time : 2 Hours]

[Max. Marks : 50

- Instructions :**
- (i) All Question of Section – I carry equal marks.
 - (ii) Attempt any **two** Questions in Section – I.
 - (iii) Question – 5 in Section – II is **COMPULSORY**.

Section – I

1. (A) Answer the following : 10
- (1) What is Computer ? List different types of it.
 - (2) What is Data ? How it differs from Information ? Explain it with an example.
- (B) Answer the following : 10
- (1) What is software ? List and explain different types of it.
 - (2) What is embedded computer ? Explain it in detail.
2. (A) Answer the following : 10
- (1) What is CPU ? List and discuss different components of it.
 - (2) What are Primary Memories ? Discuss different types of it.
- (B) Do as directed : 10
- (1) What is Disk Access time ? Explain in detail.
 - (2) List all storage devices and explain any one in brief.
3. (A) Do as directed : 10
- (1) List all different types of scanning devices and explain OMR in details.
 - (2) List all different types of pointing devices and explain any one from it.
- (B) Do as directed : 10
- (1) List different types of Printers you know. Explain Laser Printer in brief.
 - (2) What is OCR ? Explain it in detail.
4. (A) Convert the given numbers in other number system : 20
- (1) $(243.125)_{10} = (\quad)_2 = (\quad)_8 = (\quad)_{16} = (\quad) \text{BCD}$
 - (2) $(B71.8A)_{16} = (\quad)_2 = (\quad)_8 = (\quad)_{10} = (\quad) \text{BCD}$

Section – II

5. Fill in the blanks : (Any Five)

10

- (1) 1 KB = _____ bits.
(A) 1024 (B) 2048
(C) 8 (D) None of the above
- (2) All instructions are executed in _____ part of the CPU.
(A) CU (B) ALU
(C) MU (D) None of the above
- (3) _____ memories are also called as firmware.
(A) ROM (B) HDD
(C) RAM (D) Optical
- (4) _____ is not a kind of optical memory.
(A) SSD (B) DVD
(C) CD-ROM (D) Blu-Ray disc
- (5) _____ is a narrow recording band that forms a full circle on the surface of the disk.
(A) Sector (B) Track
(C) Spindle (D) Platter
- (6) _____ printer includes tonner.
(A) Dot-Matrix (B) InkJet
(C) Both (A) and (B) (D) Laser
- (7) To process the checks in Banking industry, _____ technology is used.
(A) OCR (B) MICR
(C) OMR (D) UPI
- (8) FTP stands for _____.
(A) Fast Transfer Provider (B) File Transfer Protocol
(C) File Trivial Protocol (D) File Testing Provider
- (9) BCD stands for _____.
(A) Binary Coded Decimal (B) Bits Coded Decimal
(C) Binary Computer Device (D) Bits Computed Device
- (10) Hexa-decimal of the given decimal number 255 is _____.
(A) 255 (B) AB
(C) F15 (D) FF
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