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44 (SEM-1) BCA-HC-1026

2024

(Held in 2025)

**COMPUTER FUNDAMENTALS
AND ICT HARDWARE**

Paper : BCA-HC-1026

Full Marks : 60

Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

1. Answer the following questions : ***(any five)***
1×5=5
- (a) What do you mean by NTFS ?
 - (b) The full form of BIOS is _____.
(Fill in the blank)
 - (c) What is IP address ?
 - (d) RAM is a secondary memory.
(True/False)
 - (e) 1's complement of 101101 is _____.
(Fill in the blank)

Contd.

2. Answer the following questions : **(any five)**
2×5=10

- (a) What do you mean by number system ?
- (b) What is pseudo code ?
- (c) What is the function of defragmentation ?
- (d) Define CDROM.
- (e) What is the function of switches in networking ?
- (f) Why do we need NIC ?
- (g) What is secondary memory ?

3. Answer the following questions : **(any five)**
3×5=15

- (a) What is memory ? What are its types ?
- (b) What is BCD ? Convert $(257)_{10}$ to hexadecimal.
- (c) What are the main applications of ICT ?
- (d) What do you mean by overflow and underflow ? Give an example.
- (e) Explain RJ45 connectors.
- (f) What is driver ? How does it work ?

(g) What are the main differences between software and hardware ?

4. Answer the following questions : **(any four)**
5×4=20

- (a) What is compiler ? Explain.
- (b) Explain the different file system in Windows.
- (c) Explain the internal working principle of a hard disk.
- (d) Explain the different classifications of computer.
- (e) What is motherboard ? Explain different kinds of motherboard.
- (f) What is the importance of DVD technology ? Explain the preventive maintenance for DVD and CD drives.

5. Write short notes on **any two** of the following :
5×2=10

- (a) ASC II
- (b) RAM
- (c) Linker