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44 (1) CFICT 1.1/BCA-HC-1026

2019

**COMPUTER FUNDAMENTALS
AND ICT H/W (NEW)**

Paper : 1.1/BCA-HC-1026

Full Marks : 80/60

Time : Three hours

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

[For CBCS Students only 1 (one) question to be
answered from Q. No. 5]

1. Answer the following questions : 1×5=5

(a) Write the difference between Binary and
Hexadecimal Number System.

(b) Write the 1's complement of 100101.

(c) What is a compiler?

(d) What do you mean by line and page
printer?

(e) What do you mean by disk
defragmentation?

Contd.

2. Answer **any five** questions from the following : $2 \times 5 = 10$

- \ (a) Write the function of SMPS.
- \ (b) What do you mean by network cabling?
- 2 (c) Write the difference between RAM and ROM.
- (d) Write *two* preventive measures to protect a DVD.
- .(e) What is Gray Codes?
- .(f) What do you mean by the term cylinder of a hard disk?

3. Answer **any five** of the following : $3 \times 5 = 15$

- (a) Write the differences between BCD and EBCDIC.
- 2 (b) Define flowchart and algorithm.
- .(c) Write the differences between FAT32 and NTFS.
- \ (d) Write about Cache memory.

(e) How will you create a backup copy of a hard disk ?

(f) What do you mean by linker and loader ?

4. Answer the following questions : $4 \times 5 = 20$

(a) Write about $3\frac{1}{2}$ inch and $5\frac{1}{4}$ inch floppy disks.

(b) Write the different steps to create different partitions and to format a hard disk on Linux system.

(c) Explain in detail about Antivirus Software with an example.

(d) Explain the logical structure of a hard disk.