

# COMPUTER SCIENCE

## (CS01--: Theory-A : Computer Fundamentals)

Time Allowed : 3 Hours

Max. Marks : 30

Note : Attempt *one* question from each Section A, B, C, D and compulsory Q. No. 9. All questions carry equal marks.

### Section-A

1. (a) Define computer along with its history. Explain its various characteristics. 3
- (b) What do you mean by input devices ? Explain any *two* of your choice. 3
2. (a) Perform the classification of computers based on size. 3
- (b) Explain various computer functional Units in detail. 3

### Section-B

3. (a) How information is represented in computers ? Explain with reference to memory and memory size. 3
- (b) Draw difference between RAM and ROM in detail. 3
4. Write notes on optical disks, flash drive and memory card. 2,2,2

### Section-C

5. (a) Define Software. Explain its various types. 1+2
- (b) Write notes on word-processing and e-Commerce. 1.5+1.5
6. Write briefly about interpreter, compiler and assembler. 2,2,2

### Section-D

7. (a) Define Operating System. Explain its various functions. 1+2
- (b) Define Computer Network. Draw difference between LAN and WAN. 1+2
8. (a) Draw difference among Linux, DOS and Windows. 3
- (b) Define various types of operating systems in detail. 3

### Compulsory Question

9. Explain the following :

- (a) Monitors
- (b) Direct Memory Access
- (c) Computer Hardware and Firmware
- (d) Magnetic Disk
- (e) Programming language
- (f) Internet services

1 × 6 = 6