

**(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

**(CS02 –: Theory-B : PC Software)**

**Time Allowed : 3 Hours**

**Max. Marks : 30**

**Note :** Attempt *five* questions in all, selecting *one* question each from Section A, B, C and D. Section E is compulsory.

**Section-A**

6 each

1. Discuss following DOS commands with syntax and example :
  - (i) ATTRIB
  - (ii) XCOPY
  - (iii) FIND
  - (iv) RESTORE
  - (v) BACKUP
  - (vi) PROMPT
2. Discuss the concept of files and directories with suitable examples. What are system files ? Discuss system files of DOS.

**Section-B**

6 each

3. Discuss the advantages of Windows Operating System over DOS. Discuss the anatomy of Windows.
4. Discuss the use of recycle bin and control panel in Windows Operating System.

**Section-C**

6 each

5. Discuss important features of Word Processing Softwares.
6. Discuss Autocorrect, Spell Check and Find and Replace Features of Windows Operating System.

**Section-D**

6 each

7. How to create, sort and filter database in a Spreadsheet Software ?
8. How to apply design templates, animations and transitions over different slides in a PowerPoint Software ?

**Section-E**

1×6=6

9. (a) Differentiate between internal and external command in DOS.  
(b) What is the use of Batch files ?  
(c) What is the use of Windows Explorer ?  
(d) How to add Borders to a page in a Word Processing Software ?  
(e) How to create a macro in a Spreadsheet Package ?  
(f) What is a Template ?