

# COMPUTER SCIENCE

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

Time Allowed : 3 Hours

Max. Marks : 30

Note: Attempt any one question from each Section. Section E is compulsory.

### Section–A

1. Classify computer on the basis of size, speed and memory. 6
2. Define input devices. Explain various input devices that can be used with a computer. 6

### Section–B

3. Differentiate between primary and secondary memory. Explain any two secondary storage devices. 6
4. Write short notes on the following :
  - (i) RAM
  - (ii) Flash Drive
  - (iii) Memory card 6

### Section–C

5. What do you mean by programming languages ? Explain various generations of programming languages. 6
6. What do you mean by spreadsheet software ? Explain the features and application areas of spread sheet software. 6

### Section–D

7. What is Windows ? What are its various features ? Differentiate between Windows and DOS. 6
8. What do you mean by Computer network, Internet and Network protocols? Differentiate between LAN and WAN. 6

### Compulsory Question

9. (i) What is Compiler ?  
(ii) Differentiate between hardware and software.  
(iii) Explain the working principle of fourth generation computer.  
(iv) Define operating system.  
(v) What do you mean by firmware ?  
(vi) Define a byte.

6 × 1 = 6