

2031  
B.A./B.Sc. (General) First Semester  
Computer Science  
CS01: Computer Fundamentals

Time allowed: 3 Hours

Max. Marks: 30

**NOTE:** Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I – IV.

x-x-x

**UNIT – I**

- I. With the help of a block diagram, explain the basic organization of a computer system. (6)
- II. Explain any three input and three output devices. (6)

**UNIT – II**

- III. Discuss detailed classification of memory organization in computer system with the advantage and disadvantages of each type. (6)
- IV. Distinguish the following:-  
a) RAM and ROM  
b) Direct memory access and sequential memory access (2x3)

**UNIT – III**

- V. What is software? Explain different types of software. (6)
- VI. Explain the various components of 'spread sheet' software with importance of each. (6)

**UNIT – IV**

- VII. Explain various features of "Windows operating system". (6)
- VIII. Explain the following:-  
a) Network Protocols  
b) LAN with its advantages and disadvantages  
c) WAN with its advantages and disadvantages (3x2)

**UNIT – V**

- IX. Answer the following:-  
a) Describe a supercomputer.  
b) What is an assembler?  
c) Distinguish between 'hardware' and 'software'.  
d) What is client server system?  
e) What is an operating system?  
f) Define EPROM. (6x1)

x-x-x