

Roll No. ....

Total No. of Pages : 02

Total No. of Questions : 07

**BCA (Sem.-1)**  
**INFORMATION TECHNOLOGY**  
**Subject Code : BC-101**  
**Paper ID : [B0201]**

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. **SECTION-A is COMPULSORY.**
2. **Attempt any FOUR questions from SECTION-B.**

**SECTION-A (10 × 2 = 20 Marks)**

1. a) What are advantages and disadvantages of second generation computers?  
b) What are different types of plotters? Explain.  
c) How primary memory is different from secondary memory?  
d) Draw the structure of hard disk.  
e) What are various functions of an operating system?  
f) How multiprogramming operating system is different from multiprocessing operating system?  
g) What is MODEM? What are its different types?  
h) List various advantages of computers in sports.  
i) What is "bcc" in Email?  
j) What is FDISK command in MS-DOS? What is its use?

**SECTION-B (4 × 10 = 40 Marks)**

2. What is Computer? What are their limitations? Draw and explain the working of its block diagram.

3. What is printer? Explain various differences between dot matrix, inkjet and laser printer.
4. Write notes on the following :
  - a) Spooling
  - b) Real Time Systems
5. What is batch file? What is its need? Explain how batch file is created and executed in MS-DOS?
6. What is Computer Network? Explain various differences between LAN and WAN by taking suitable examples.
7. What is internet? Explain various applications of an internet.