

Roll No.

Total No. of Questions : 07]

[Total No. of Pages : 02

Paper ID [B0201]

(Please fill this Paper ID in OMR Sheet)

BCA (Sem. - 1st)

INTRODUCTION TO INFORMATION TECHNOLOGY (BC - 101)

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

- 1) Section - A is **Compulsory**.
- 2) Attempt any **Four** questions from Section - B.

Section - A

Q1)

(10 × 2 = 20)

- a) Convert the following from decimal to hexadecimal system
 - i) 54977
 - ii) 41819
- b) What is the difference between supercomputer and mainframe computers?
- c) Define seek time and latency time in a hard disk access.
- d) What is asynchronous and synchronous transmission?
- e) Why is virtual memory used in operating systems?
- f) What is a ring topology in LAN?
- g) What are the system files required for booting in DOS?
- h) What does the following dos command do?
 - i) C:\> COPY \AAA\FILE?.* C:\
 - ii) C:\> PROMPT \$P\$G
- i) Multiprogramming increases CPU utilization. Explain?
- j) What is Hexadecimal and Binary Number System?

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Section - B

(4 × 10 = 40)

- Q2)** Explain the components of a computer using a block diagram.
- Q3)** Explain the construction and working of floppy disk drive.
- Q4)** What is multiplexing? Explain time division multiplexing in data communication.
- Q5)** Explain the different type of network topologies.
- Q6)** Describe various functions of an Operating system?
- Q7)** Explain multiprogramming and multiprocessing.

