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Total No. of Questions : 07]

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**BCA (Sem. – 1<sup>st</sup>)**  
**INTRODUCTION TO INFORMATION TECHNOLOGY**  
**SUBJECT CODE : BC – 101 (N2)**  
**Paper ID : [B0201]**

**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) What is 1's and 2's complement in binary number system?
- b) What is VDU? Explain.
- c) What are various functions of an operating system?
- d) Define LAN and MAN.
- e) What is FAX? Discuss its role in communication.
- f) What is OMR? How it is different from OCR?
- g) What are optical devices? Explain.
- h) What are various switches used with DIR command in MS-DOS?
- i) What is batch file in MS-DOS? Which command is used to create a batch file in MS-DOS?
- j) Explain how RAM is different from ROM.

**Section – B**

**(4 × 10 = 40)**

- Q2)** What is computer? Discuss various types of computers with their relative merits and demerits. Also explain various characteristics of computer.
- Q3)** What are various input and output devices? Explain the role of printer, plotter and scanner with their relative merits and demerits.
- Q4)** Draw and explain the role of different parts of a computer and their relationship.
- Q5)** Write a note on the following :
  - Internet and its applications.
  - WWW.
  - Workstation.
- Q6)** What are various primary and secondary storage devices? Explain.
- Q7)** Write a note on following :
  - (a) Role of MODEM in Communication.
  - (b) Role of Computer in Management.
  - (c) Internal and external command in MS-DOS.

