

Roll No. ....

Total No. of Questions : 07]

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**B.Sc. IT (Sem. – 1<sup>st</sup>)**  
**FUNDAMENTALS OF IT**  
**SUBJECT CODE : BS - 107**  
**Paper ID : [B0404]**

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) Differentiate between RAM and ROM.
- b) What are mainframe and super computers?
- c) What are the advantages of e-mail over traditional mail?
- d) Define bit and byte.
- e) What are the various features of Object Oriented programming language?
- f) Give any two merits and demerits of magnetic tape.
- g) What is the radix of hexadecimal and octal number system? Give example.
- h) What is binary and octal number system? Give an example of each.
- i) What do you mean by WWW?
- j) What is hardware and software? Give examples.

**Section - B****(4 × 10 = 40)**

- Q2)** Draw and explain the block diagram of computer system.
- Q3)** Explain any two input and any two output devices.
- Q4)** Explain the history of Internet. What are the various services of Internet?
- Q5)** What is MS-Excel? Explain its structure. What are its various uses?
- Q6)** What is meant by a language translator? Explain different types of language translators. Give merits and demerits of each.
- Q7)** Convert the following:
  - $(10101001)_2 = (?)_{10}$
  - $(2471)_{10} = (?)_2$
  - $(ABC)_{16} = (?)_{10}$
  - $(2471)_{10} = (?)_{16}$

