

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 07

B.Sc.(IT) (Sem.-1<sup>st</sup>)**FUNDAMENTALS OF INFORMATION TECHNOLOGY**

Subject Code : BS-107

Paper ID : [B0404]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains SIX questions carrying TEN marks each and students has to attempt any FOUR questions.

**SECTION-A****I. Answer briefly :**

- a) Explain in brief the function of ALU and Control Unit.
- b) Convert  $(545)_6 = (X)_4$ .
- c) What is the function of Instruction Register (IR) and MAR (Memory Address Register)?
- d) List various storage evaluation criteria.
- e) What is the transfer rate of a disk system? What are the two main parameters on which it depends?
- f) Differentiate between Impact and Non-Impact printers.
- g) What is meant by standardization of a language? Why is it important?
- h) Define the term Internet. Also write its two uses.
- i) Define the term application software. Give two examples.
- j) Explain the term CD-ROM Jukebox.

## SECTION-B

2. (a) What are the basic components of the CPU of a computer system? Describe the role of each of the components in the functioning of a computer system.
- (b) Write the advantages and limitations of Optical Disks. (5+5=10)
3. (a)  $(2B.C4)_{16} = (Z)_{10}$
- (b)  $(100)_{10} = (P)_4$
- (c) What are the characteristics of a good programming language? Explain in detail (2+2+6=10)
4. (a) What is meant by the length of a register? What are the commonly used register-lengths in modern computer systems? Why is a larger register length more desirable? (5)
- (b) Write brief note on following :
  - (I) Read-Only Memory (ROM)
  - (II) Programmable Read-Only Memory (PROM) (2.5+2.5=5)
5. Write note on the following : [a2zpapers.com](http://a2zpapers.com)
  - (a) HTML
  - (b) HTTP
  - (c) Web browser
  - (d) A spell checker cannot check for the improper use of correctly spelt words. Explain why?
  - (e) What is a super computer? What are its primary uses? (2×5=10)
6. (a) What is the Auto Text feature used for? Give example.
- (b) You have typed a document and you want to check the spelling mistakes. What would you do?
- (c) What are the steps to add Header and Footer in a document? (3+3+4=10)
7. Explain the following :
  - (a) Creating presentation using auto content wizard
  - (b) Working with workbooks
  - (c) Auditing a workbook
  - (d) Merging workbooks (4×2.5=10)