Total No. of Questions : 09

B.Sc. (BT)   (Sem.–3)
INTRODUCTION TO COMPUTERS
Subject Code : BSBT-307-18
M.Code : 76614
Date of Examinaton : 12-12-22

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1. **Answer briefly :**

   a) What are the basic operations of computer?

   b) What is volatile memory?

   c) What is the purpose of ALU unit in CPU?

   d) List any two protein databases.

   e) Name two tools used in phylogenetic analysis.

   f) Define analog computer.

   g) Define DNA Sequence.

   h) What are the main functions of an ALU?

   i) Define Plotters.

   j) Which generation of computer used Vacuum tubes?

SECTION-B

2. Draw a block diagram of Computer and explain its functional units.

3. What is the main difference between a floppy disk and a hard disk?

4. What are the various types of printers? Compare their features.

5. What is protein structure prediction used for and why is it difficult?

6. What is a speech output unit? What are its applications?

SECTION-C

7. Give the significance of input devices. List various input devices. Discuss at least five different input devices.

8. **Write a note on:**

    a) Bibliographic database.

    b) Genebank database.

9. Differentiate Primary Memory & Secondary Memory. Give examples of both the types.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.