Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 19

M.Sc(Chemistry) PIT (2015 to 2017)   (Sem.-3)
COMPUTER FOR CHEMIST
Subject Code : CHL-506
Paper ID : [74894]

Time : 3 Hrs.   Max. Marks : 70

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

SECTION-A

1) What is the syntax of nested If statement?

2) What is a looping statements?

3) What is a complier?

4) What is the need for operating system?

5) Differentiate between compiler & interpreter.

6) What are the various types of software used in computers?

7) How many byte are required for Int a [20] statement?

8) What is an algorithm?

9) How syntax of a program is different from symentics?

10) What is a conditional statement?

SECTION-B

11) What are the various data types in a programming language? Explain with example.

12) What is the difference between formal and actual arguments of a function?

13) What are the methods through the parameters are passed in Functions?

14) What is an array? Write a program to find the sum of the rows, Column and non diagonal elements of a matrix.

15) What is the syntax of various input output statements available in programming Language?

16) How computer can be used to solve Monte Carlo technique? Explain by taking example of Chemistry.

SECTION-C

17) What are the various types of software used in computer? Explain each of them with example.

18) What is the specification of a Latest PC? Explain the functionality of each of the component.

19) How numerical integration problem can be solved with the help of Computer? Explain the process involved in that.