

Exam. Code : 210401
Subject Code : 4822

M.Sc. Chemistry Ist Semester
COMPUTER FOR CHEMISTS

Paper—Course—V

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt total **five** questions by selecting at least **one** question from each Section, **fifth** question can be attempted from any Section. Each question carries equal marks.

SECTION—A

1. Explain the use of following in C language with some example :
 - (a) use of assignment operator
 - (b) rule for naming variable
 - (c) arithmetic operator.
2. Draw the flowchart for the following :
 - (a) To find the roots of quadratic equation
 - (b) To find the sum of any ten integer numbers.

SECTION—B

3. Explain the use of following in C language with some programming example :
 - (a) relational operators
 - (b) nested if statement
4. Write a program in C language to find the product of digits of a given number.

SECTION—C

5. Explain the difference between the following with programming example :
 - (a) for Vs. nested for statement
 - (b) while Vs. do while statement.
6. Write a program in C language to find the largest number among three by passing arguments to a function.

SECTION—D

7. Write a program in C to count the number of vowels in a given string without using any inbuilt string function.
8. Write a program in C language to arrange a list of numbers in ascending order by passing array to a function.