

Register Number :

Name of the Candidate :

5 2 8 5

B.Sc. DEGREE EXAMINATION, 2012

(APPLIED CHEMISTRY)

(FIRST YEAR)

(PART - III : ANCILLARY)

551. COMPUTER SCIENCE

December] [Time : 3 Hours

Maximum : 100 Marks

Answer any ONE FULL question from each unit.

ALL questions carry EQUAL marks.

UNIT - I

1. Discuss in detail five major functional units of a computer. (5 × 4)
2. (a) Define algorithm and flowchart. (6)
(b) Explain in detail baíses of flowchart with advantages and drawbacks. (10+2+2)

Turn Over

UNIT - II

3. (a) Describe in detail about plotters. (10)
 (b) Explain briefly output peripherals in computer. (10)
4. (a) What is the usage of peripheral devices? (5)
 (b) Write a detailed note on storage peripherals in computer. (15)

UNIT - III

5. (a) Discuss briefly the arithmetic expression in FORTRAN 77. (10)
 (b) Explain in detail the various types of constants in FORTRAN 77. (10)
6. Give a detailed note on implicit and explicit type declaration in FORTRAN 77. (10+10)
7. Describe briefly about READ, WRITE, STOP, END statement in FORTRAN 77. (4×5)

UNIT - IV

8. (a) Write a detailed note on difference between Logical IF and Arithmetic IF statement in FORTRAN 77. (5+5)
 (b) Differentiate IF THEN ELSE and IF THEN statement in FORTRAN 77. (5+5)
9. Explain in detail four operation on strings in FORTRAN 77. (4×5)
10. Discuss briefly GOTO and CONTINUE statement in FORTRAN 77. (10+10)

UNIT - V

11. Describe in detail EQUIVALANCE statement. (10)
12. (a) Write a program to add and multiply two matrices. (10)
 (b) Write a program to find inverse of a matrix. (10)