TDC Even Semester Exam., 2019

COMPUTER SCIENCE

(Pass)

(2nd Semester)

Course No. : BCSP–201

(Programming in FORTRAN)

Full Marks : 35
Pass Marks : 12

Time : 2 hours

_The figures in the margin indicate full marks
for the questions_

Answer **five** questions, taking **one** from each Unit

UNIT—I

1. (a) What is a flowchart? Draw and describe the different flowchart symbols.   1+2=3

   (b) Write an algorithm to find the largest among three numbers.   4

2. (a) Draw a flowchart to determine whether a number is odd or even.   4

   (b) What are decision tables? Explain.   3

(2)

UNIT—II

3. (a) State the rules to declare a variable.   3

   (b) Write a FORTRAN program to find the area of a triangle.   4

4. Write a FORTRAN program to calculate the grades of a student.   7

UNIT—III

5. (a) What do you mean by control statement? Explain with suitable example.   4

   (b) Discuss different logical operators.   3

6. (a) What are the importances of Loop statement?   2

   (b) Write a program to find a number from an array of 10 numbers with the help of Do-Loop.   5

UNIT—IV

7. (a) What do you mean by local and global variables?   2

   (b) Write a subroutine subprogram to swap two numbers.   5

(3)

8. What do you mean by argument? Write a FORTRAN program to illustrate the use of SUBROUTINE named as an argument.   1+6=7

UNIT—V

9. *(a)* What is the difference between common and EQUIVALENCE statement? Explain with example.   3

(b) Write a FORTRAN program to concatenate two strings.   4

10. Explain file operations in FORTRAN.   7

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