Professional Course Exam., 2020

(2nd Semester)

BACHELOR OF COMPUTER APPLICATIONS

(Programming in C Lab)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

(*Marks* : 30)

Answer any *three* from the following questions : 10×3=30

1. Percentage of your attendance is input through the keyboard. Write C Program to calculate and display internal mark based on percentage of attendance as given below :

    If attendance >= 95, internal mark is 5
    If attendance >= 90 and <95, internal mark is 4
    If attendance >= 85 and <90, internal mark is 3
    If attendance >= 80 and <85, internal mark is 2
    If attendance >= 75 and <80, internal mark is 1
    If attendance <75, internal mark is 0 and not eligible to appear

    in Examination

2. Write a C Program to perform linear search of any value in an array and display the position of the value if found.

3. Write C Program to accept lines of text and then display the number of alphabets, digits and special characters.

4. Using C Programing language, write a program to find transpose of a matrix.

5. Write a C Program to convert decimal number to its equivalent binary number using function.

SECTION—B

(*Marks* : 20)

Answer any *one* from the following questions : 20

6. Using C Program to find the multiplication of two matrices using two-dimensional arrays.

7. Define a structure called student with the date, members RollNo., Name and Percentages. Also write two functions getdata( ) to input data and printdata( ) to display the data.

8. Write a C Program to create file "Student.txt" which will save student information such as student Roll Number, Name and Total Marks for *n* students and display lists of student on screen by reading from the same file.

Viva voce. 15

Record book. 10

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