

Professional Course Examination, 2021

(2nd Semester)

BACHELOR OF COMPUTER APPLICATIONS

Course : BCA/2/CC/11 (New)

(Programming in C Lab)

(Practical)

Full Marks : 75

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

(Marks : 30)

Answer *any two* questions

1. Temperature of your city in Fahrenheit degrees is input through the keyboard. Write a program to convert this temperature into Centigrade degrees. 15
2. Write a C program to print the Fibonacci series up to n terms using while loop. 15
3. Write a recursive function program using C to find the factorial value of any number entered through the keyboard. 15
4. Write a program using C to perform binary search for any item in an ordered array and display the position of the item if found. 15

SECTION—B

(Marks : 20)

Answer *any one* question

5. Write a C program to demonstrate functions call by value and call by references. 20
6. Write a program in C to accept lines of text to save into a file and then read from the same file to display the number of alphabets, digits and special characters on the screen. 20
7. Write a C program to find the multiplication of addition of two matrices using two-dimensional array. 20

SECTION—C

(Marks : 25)

8. Viva voce. 15
9. Practical Record book. 10
