S-730

Total Pages : 3   **Roll No. --------------**

BCA-02/DIT-06

Introduction to Computer Programming Using C

Bachelor/Diploma in Computer Application (BCA/DIT)

1st Semester, Examination 2022(Dec.)

Time: 2 Hours   Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

Section – A

(Long Answer – type questions)

Note: Section 'A' contains Five (05) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

[2 x 19 = 38]

P.T.O.

S– 730/BCA-02   1

Q.1. Explain different types of operators available in C language by taking suitable examples.

Q.2. What is an array? How it is different from structure? Write a C language program to add two matrices using 2-D array.

Q.3. Define union with example. How it's differ from structure.

Q.4. Discuss the various storage classes in C. Explain with the help of example.

Q.5. What is the difference between call by value and call by reference? Explain with help of Example.

Section – B

(Short-answer-type questions)

Note: Section 'B' contains Eight (08) short-answer-type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only.

$$[4 \times 8 = 32]$$

Q.1. Write a program to find factorial of a number using recursion.

Q.2. What is a function? Why we use functions in C language? Give an example.

Q.3. Distinguish between Library functions and User defined function in C and Explain with examples.

Q.4. Explain briefly: ftell(), rewind(), fseek().

Q.5. Explain about enumerated data types with examples?

Q.6. What is nested-if statement? Write a program to find greatest number out of three numbers by using nested-if statement.

Q.7. Write a program to create a file and display its contents.

Q.8. What is an algorithm? Why is it necessary to write an algorithm before program coding?

****