

**K-317**

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**BCA-02**

**BCA Ist Semester  
Examination Dec., 2023**

**INTRODUCTION TO COMPUTER  
PROGRAMMING USING C**

**Time : 2 Hours]**

**[Max. Marks : 70**

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*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 there in. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**(Long Answer Type Questions) 2×19=38**

*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.*

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( 1 )

P.T.O.

1. What are different data types available in C ? Explain each one of them.
2. What is a storage class ? Discuss all storage classes with suitable examples.
3. What do you mean by arrays and strings ? Explain with the help of an example.
4. Explain how structure is different from an array ?
5. What is an Operator in C ? Explain the different types of operators in C.

### **Section–B**

**(Short Answer Type Questions)**      4×8=32

**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.

1. Describe the concept of pointers with the help of an example.
2. List and explain the different types of control statements in C.
3. Write a program in C to calculate a simple interest.
4. What is variable ? How are the variables declared in C ?

5. Differentiate between pass by value and pass by reference.
6. Give the difference between 'while loop' and 'do while loop' with an example.
7. Explain the following statement with example :
  - (i) Go to
  - (ii) break
8. What do you understand by built-in-function ? How are they different from user defined function ?

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