

A-1259

Total Pages : 3

Roll No.

BCA-02

Bachelor of Computer Application (BCA)

**Introduction to Computer Programming
Using C**

Examination February, 2026

Time : 2:00 Hrs.

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. *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 is an array ? How a single dimension and two dimension arrays are declared and initialized ?
2. What is function ? Explain different classification of user defined functions based on parameter passing and return type with examples.
3. What is the string handling functions ? Explain any four of them with suitable example.
4. What is an Operator ? What are the different types of operators that are used in C ? Explain with an example.
5. What do you understand by the term 'storage classes' ? Describe the different classes and their applications available 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. What is structure ? Explain C syntax of structure declaration with example.
2. What is a pointer ? Explain how the pointer variable declared and initialized.
3. What is the difference between structure and union ?

4. What do you mean by identifier and keywords ?
5. Discuss the different data types available in C. Differentiate between primary and secondary data types in C language using suitable examples.
6. Discuss the difference between while do- while and for loop with the help of suitable examples.
7. Explain different categories of pre-processor directives used in C.
8. What do you mean by call by value and call by reference; explain the difference by writing a function in C to swap the two numbers.
