

A-1135

Total Pages : 3

Roll No.

BCA (N)-101

Introduction to Programing Using C

Examination 2026 (Feb.)

Time: 02:00 hrs

Max. Marks: 70

Note : This paper is of Seventy (70) marks divided into two (02) Section 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)

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.

(2x19=38)

P.T.O

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1. What is an operator? Explain the arithmetic, relation, logical and assignment operators in C language.
2. Explain the different types of loops in C with syntax.
3. What is an array? How a single dimension and two dimension arrays are declared and initialized?
4. What is a pointer? Explain how the pointer variable declared and initialized.
5. Explain different categories of pre-processor directives used in C.

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.

(4x8=32)

1. What are the function prototypes? What is their purpose? Where within a program are function prototypes normally placed? How do you declare function prototypes?
2. Explain the storage classes in c with example programs.

3. Write a program in C to find the area and perimeter of a circle.
4. Differentiate while loop and do-while loop with an example.
5. What are strings? Write a C program to combine two strings.
6. What is dynamic memory allocation? How will you perform it in C language?
7. Define the terms recursion in language C with an example.
8. Explain the following:
 - i. Keywords
 - ii. Constants
