

A-0841

Total Pages : 4

Roll No. -----

BCA-02

Introduction to Computer

Programming Using C

Bachelor of Computer Application (BCA)

1st Semester Examination 2024(Dec.)

Time: 2:00 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 given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

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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.

[2×19=38]

- Q.1. Define storage class explain the different storage classes supported by c.
- Q.2. With suitable examples, explain various types of operators in C.
- Q.3. With a suitable example, explain the differences between a structure and a union in C.
- Q.4. Explain the different types of loops in C with syntax.
- Q.5. What is a pointer? Why are pointers useful? Specify the relationship between a pointer and an array?

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]

- Q.1. Explain the basic data types in 'C'.
- Q.2. Give the difference between 'while loop' and 'do while loop' with example.
- Q.3. Write an algorithm and draw a flowchart to find largest of n numbers.
- Q.4. Write a program using recursive function to find factorial of given number.

P.T.O.

Q.5. Differentiate between pass by value and pass by reference with an example.

Q.6. Define the following terms with an example

i. Algorithm

ii. Flowcharts

iii. Pseudo code

iv. Variable

Q.7. What do you mean by dynamic memory allocation?
How it is useful? Explain.

Q.8. What do you mean by arrays and strings? Explain with the help of an example.
