



41124/A240

Reg. No.

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I Semester BCA. 4 Degree Examination, March - 2022

PROGRAMMING IN C

(Repeater)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) All the three sections are compulsory.
- 2) Draw diagram wherever necessary.

SECTION-A

1. Answer all Ten questions.

(10×2=20)

- a) Define Algorithm and state its characteristics.
- b) Write the advantages of Flowchart.
- c) What is Keyword? Give example.
- d) What is the Variable? Give the rules for variable declaration.
- e) What is Function Prototype?
- f) What is Goto statement? Write Syntax?
- g) Name any two library Functions for String.
- h) Define Static Storage Class.
- i) What is Structure? Write Syntax with example.
- j) How Unions are declared in 'C'?

SECTION-B

Answer any Four questions.

(4×5=20)

2. What is Flow Chart? Explain various symbols used in Flowchart.
3. Explain the Structure of C program?
4. Write the Syntax for nested IF and else-IF ladder.
5. Differentiate between one dimensional and Two dimensional Arrays.
6. Write a C program to find Largest of three numbers.

[P.T.O.]



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SECTION-C

Answer any **Four** questions.

(4×10=40)

7. a) What are the input and output Functions? Explain Printf () and Scanf () functions with examples?
b) Draw the Flow Chart to find GCD of two numbers.
 8. Explain for Loop with syntax & Examples.
 9. Explain the various Operators used in C.
 10. a) Explain the String handling Functions?
b) Write a C program to compare two strings without using Library Functions.
 11. a) Define an Array? How to initialize one dimensional array.
b) Write a C program to Sort the given array elements in Ascending order.
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