B.C.A. 2nd Semester (Full & Re-appear)

Examination, May-2023 'C' PROGRAMMING Paper- BCA-106

Time allowed: 3 hours]

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[Maximum marks ! 80

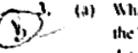
Note: Attempt five questions in all. Question Number 1 will be compulsory. In addition to compulsory question, student will have to attempt four more questions selecting one election from each Unit. All questions carry equal marks.

- $2 \times 8 = 16$ (a) Explain the structure of C program. 1.
 - What do you mean by identifier and keywords? Explain.
 - Explain the uses of Assignment statement.
 - Explain the uses of Algorithm development. (d)
 - Explain Global Variable and its uses.
 - Explain the Uses of Nested loops.
 - Differentiate between getch() and Putch()
 - (h) Differentiate between syntax errors and logic errors found in computer programs.

Unit-1

2. What do you meant by 'Data type'? List the various data types supported by C language and briefly explain them by using suitable examples.

- (b) Explain the following:
 - Constant and Variable
 - (ii) Type casting and Conversion



What do you mean by 'C' Programming? Explain the History and Importance of C programming in detail

What do you mean by Operators in C Language? Explain different Operators used in C Language through example.

Unit-II

- What are various looping statements? Explain the difference between while and do while loop by suitable example. https://www.mdustudy.com
- Explain the following with example:



- (a) If-Plse statement and Nested If Statement
- (b) Switch statement and goto statement

Unit-III

- Explain the following in detail:
 - Input Functions in C Programming
 - String manipulation Functions in C Programming



What is a Function? How can you pass parameters to a function? Explain through suitable example,

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Write a recursive function with one integer parameter that returns the factorial of its parameter

Unit-IV

- 8. (a) What is Array? I aplain its different types. Also (a) Laplain the concept of passing arrays to Functions through example.
 - (b) What is pointer? Explain the uses of pointer in C language with example of
- 9. Explain the following weetail
 - (a) String Constant and variable
 - (b) Storage classes in (

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