

Roll No.

97665

BCA 2nd Semester (Full & Re-appear)

Examination – May, 2024

C PROGRAMMING

Paper : BCA-106

Time : Three Hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

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* question from each Unit.

1. (a) Define identifier and keywords in detail.
(b) Explain the uses of Assignment statement.
(c) What is prototype ? Explain.

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- (d) Explain the Uses of Nested loops
(e) Difference between getch() and Putchf ()
(f) Define Static storage class.
(g) Define uses of Nested if statement
(h) Define string constant.

UNIT – I

2. (a) Define 'C' Programming. Explain the History and Importance of C programming in detail.
(b) Explain the following in detail :
(i) Data types supported by C language
(ii) Type casting and conversion
3. (a) What is Operators in C Language ? Explain different Operators used in C Language through example.
(b) Explain the following :
(i) Constant and Variable
(ii) Printf() Vs Scanf()

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UNIT – II

4. Explain the following with example :
(a) Difference between while and do while loop
(b) For loop
5. What do you mean by decision making & branching ?
Explain decision making with if statement, if-else statement, switch statement and goto statement through suitable example.

UNIT – III

6. Explain the following in detail :
(a) Output Functions in C Programming
(b) Passing parameters and recursion
7. Explain the following in detail through suitable example :
(a) String manipulation Functions in C Programming.
(b) Local and global variable.

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UNIT – IV

8. (a) What is flowchart ? What are the various basic symbols used in flowcharting ? How does a flowchart help a programmer in program development ? Explain.
(b) What is pointer ? Explain the uses of pointer in C language with example.
9. (a) What is an algorithm ? What are the commonly ways used to represent algorithms ? Explain the characteristics of algorithm in detail.
(b) What is Array ? Explain the concept of passing arrays to functions through example.