



FD-2853

BCA (Part-I) Examination, 2022

## Paper - III

# Programming in 'C' Language

*Time : Three Hours]                      [Maximum Marks : 80*  
*[Minimum Pass Marks : 27*

**Note** : Answer any **two** parts from each question. All questions carry equal marks.

## Unit-I

1. (a) Write the history of 'C' Language.  
(b) Write a 'C' program to illustrate arithmetic operators.  
(c) Describe the unformatted I/O functions.

## Unit-II

2. (a) Explain the branching and switch statement with suitable example.
- (b) What is function ? Describe the types of function.
- (c) Write a 'C' program to find out biggest of any three numbers.

## Unit-III

3. (a) Write the differences between Structure and Union.
- (b) Write a 'C' program to illustrate enum variable.
- (c) What is string ? Describe the string manipulation library function.

## Unit-IV

4. (a) Describe the dynamic memory allocation functions.
- (b) Write a 'C' program to find out factorial of given numbers using pointer variable.
- (c) Write short notes on the following :
- (i) Void pointer
  - (ii) Pointer to structure

**Unit-V**

5. (a) What is file handling ? Describe the file pointer.
- (b) Describe the command line arguments.
- (c) Write short notes on the following :
- (i) fclose
  - (ii) fflush
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