

[2]

Roll No.

Total Printed Pages - 3

F - 3942

B.C.A.(Part-I) Examination, 2022

(New Course)

PROGRAMMING IN "C" LANGUAGE

(BCA 103)

Time : Three Hours]

[Maximum Marks :80

[Minimum Pass Marks :27]

Note: Attempt any two parts from each unit. All questions carry equal marks.

Unit - I

1. (a) What do you mean by an operator? Explain different types of operators with example.
- (b) Explain unformatted I/O functions.
- (c) What are data types in 'C' language ? Explain with example.

P.T.O.

Unit - II

2. (a) Explain function prototype, function definition and function calling with suitable 'C' program.
- (b) Differentiate 'break' and 'continue' statement with example.
- (c) Write a 'C' program to print 50 to 1 using do-while loop.

Unit - III

3. (a) Define an array? Explain types of array with suitable program.
- (b) Explain various string manipulation functions with example.
- (c) Write a 'C' program to store records of any **two** students having name, roll no. and class using structure.

Unit - IV

4. (a) Describe dynamic memory allocation functions.
- (b) Explain pointer to structure with proper example.

F - 3942

[3]

- (c) What is pointer ? Explain concept of pointer with suitable 'C' program.

Unit - V

5. (a) Explain the following :
- (i) fgetc
 - (ii) fflush
 - (iii) #define
 - (iv) #endif
- (b) How to open, read, write and close to any file in 'C' language ? Explain with example.
- (c) Explain file handling through command line argument.