

Roll No.

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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.

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- (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.