

Roll No.

ED–2853

B. C. A. (Part I) EXAMINATION, 2021

Paper Third

PROGRAMMING IN 'C' LANGUAGE

Time : Three Hours

Maximum Marks : 80

Minimum Pass Marks : 27

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

Unit—I

1. (a) Give importance of C and explain structure of C.
- (b) Write notes on any *two* of the following :
 - (i) Variable
 - (ii) Keywords
 - (iii) Tokens
- (c) Write program in C to demonstrate increment and decrement operators.

Unit—II

2. (a) What is loop ? Explain different types of loop.
- (b) What is variable ? Explain scope and lifetime of variable.

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- (c) Write a program in C for calculating factorial number using recursion

Unit—III

- 3. (a) How string is declared and initiative explain with suitable example ?
- (b) What are different types of array explain with examples ?
- (c) Explain string manipulation function.

Unit—IV

- 4. (a) Explain pointer to pointer.
- (b) Explain arithmetic pointer.
- (c) Explain array of pointer and pointer to array.

Unit—V

- 5. (a) Write program to copy content of one file to other file
- (b) Write notes on any *two* of the following :
 - (i) Fseek
 - (ii) Fread
 - (ii) Fputc
- (c) Explain different conditional compilation directives.