

# 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.

- (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.