

Roll No.

CD-2855 (SE)

B. C. A. (Part I) EXAMINATION, 2020

Paper Fifth

PROGRAMMING IN 'C' LANGUAGE

Time : Three Hours

Maximum Marks : 100

Minimum Pass Marks : 40

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

Unit—I

1. (a) How many types of Operator supported by 'C' Programming language ? Write in brief.
- (b) Explain while and do-while loop by giving *one* suitable example.
- (c) Write short notes on the following :
 - (i) Token and Keywords
 - (ii) Goto and Label

Unit—II

2. (a) What is Array ? Explain their types and give example of linear array.
- (b) Explain call by value and call by reference by any Program.

[2]

- (c) What is user defined function and library function ?
Explain by example.

Unit—III

3. (a) Write difference between Array and Structure.
(b) Explain Union and Union variable.
(c) Write a program for Addition of Matrix.

Unit—IV

4. (a) Write a program to find out factorial of any number using painter.
(b) Explain any *two* dynamic memory allocation functions.
(c) Write short notes on the following :
(i) Void Pointer
(ii) Pointer to Pointer

Unit—V

5. (a) What is preprocessor ? Explain any *three* directives.
(b) Explain file accessing function with example.
(c) Write a program to show the use of file handling function.