

I Semester Examination, April-2021**PGDCA****Paper III**

(Programming in "C")

Time : 3 Hours]

[Maximum Marks : 100

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

Unit-I

1. (a) Explain operators in C.
- (b) Differentiate Identifiers with Keywords with an example.
- (c) Write a program to convert centigrade temperature to Fahrenheit in C.

Unit-II

2. (a) Explain for loop with an example in C.
- (b) What are user defined and library function ? Explain both in brief.
- (c) Compare Iteration and Recursion in C.

Unit-III

3. (a) Explain string handling functions used in C.
- (b) Explain pointer to pointer concept with example in C.
- (c) What are void pointer ? Explain with an example.

Unit-IV

4. (a) Explain how can you create and initialise structure variables in C program.

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- (b) Differentiate between structure and union.
- (c) Explain structure within structure in C.

Unit-V

5. (a) Explain Malloc and free () Functions with example.
- (b) Explain the structure of file handling program in C.
- (c) Write short notes on :

- (i) Fgetc ()
- (ii) Fputc ()
- (iii) rewind ()
- (iv) Fread ()
- (v) Fscanf ()

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