

Roll No.

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F-1896**P.G. DIPLOMA IN COMPUTER APPLICATION****(FIRST - SEMESTER)****EXAMINATION, Dec.-Jan. 2020-21**

(Old Course)

Programming in C

(PGDCA-103)**Time : Three Hours]****[Maximum Marks : 100**

Note : Attempt any two part from each unit. All questions carry equal marks

Unit - I

(Objective/Multiple Choice Questions)

1. (A) What is data type? Explain different types of data type used in C language?
- (B) Explain the logical and relational operator used in C language.
- (C) Write short note on
 - (i) Format Specifier for scanf
 - (ii) Constant

Unit - II

2. (A) Explain if - else and nested if statement with example.
- (B) Write difference between while and do-while loop.
- (C) What is function? Explain function, declaration, function definition and calling with example .

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Unit - III

3. (A) What is array? Explain different types of array.
- (B) Explain pointer arithmetic and pointer to - pointer.
- (C) What is string? Explain any three string handling function with syntax.

Unit - IV

4. (A) What is structure? Explain Structure within structure.
- (B) Write difference between structure and union.
- (C) Write short note on
 - (i) Pointer to structure
 - (ii) Operations on Union

Unit - V

5. (A) What is dynamic memory? Explain Malloc function with example.
- (B) Explain any four file handling function with example-
- (C) Write short note on -
 - (i) Dynamic Multi - Dimensional array.
 - (ii) Error Handling.

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