



AAP-0200941

Seat No. _____

P. G. D. C. A. (Sem. I) Examination

April/May – 2016

Programming in C

Time : 3 Hours]

[Total Marks : 100

- 1 Attempt any Four : 20
- (a) What is Data type? Explain Typedef with example.
 - (b) What is Operator? Explain Increment, Decrement Operator and Conditional Operator with example.
 - (c) What is Loop? Explain Nesting of Loops with suitable example.
 - (d) Write rules of Variable declaration. And Discuss Scope of Variables.
 - (e) Explain printf() scanf(), clrscr(), getch(), main().
- 2 Attempt any Four: 20
- (a) What is Array? Explain how to assign Array elements and how to access Array elements.
 - (b) Discuss GOTO label and Continue statement with example.
 - (c) Give differences:
 - (1) Switch case and if... elseif block.
 - (2) Array v/s Structure.
 - (d) Explain Command Line arguments with example.
 - (e) Explain Decision Making Statements.

- 3 Attempt any Four: 20
- (a) What is use of Recursion? Explain Recursion with any suitable example.
 - (b) What is String? Explain strlen(), strcpy(), strcmp(), gets().
 - (c) Discuss Array of Structure and Array within Structure with example.
 - (d) Explain the functionality of Union with example. And give difference between Union and Structure.
 - (e) Explain need of UDF? Explain types of UDF.
- 4 Attempt any Four: 20
- (a) Explain functionality of Type Casting in C Language.
 - (b) Explain fgetc(), fputc(), fopen() with example.
 - (c) Explain ftell(), fseek(), fclose() with example.
 - (d) Explain #define and #include statements.
 - (e) Write a Program to Enter 10 Numbers and display sum of Even and Odd numbers.
- 5 Attempt any Four: 20
- (a) Explain Switch....Case with an example.
 - (b) What is Structure in C Language? Explain how to define Structure and Accessing Structure elements.
 - (c) Write a Program to Enter to 5 numbers and find Maximum number.
 - (d) Discuss Passing array elements to function and Passing an entire array to function with Example.
 - (e) What is use of Pointer? Discuss Call by Value and Call by Reference.
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