DECEMBER 2014   **P/ID 17453/ RCC/PCAE**

Time : Three hours   Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer ALL questions.

1. (a) Give the structure of a C program.

Or

(b) Write a C program to reverse the given number.

2. (a) Write short notes on function.

Or

(b) Discuss on function prototype.

3. (a) Give a notes on defining an array.

Or

(b) Write a program to find the sum of any 'n' numbers using pointers.

4. (a) Explain how to define a structure in C.

Or

(b) Discuss on user defined data types.

5. (a) Write notes on command line arguments.

Or

(b) Discuss on getc and putc functions.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain the various basic data types supported by C.

7. Explain entering input data with examples.

8. Discuss on pointers.

9. (a) Write a C program to find the factorial of a given number using recursion.

(b) Write a C program to generate a Fibonnaci series using recursion.

10. Give a note on storage classes.

11. Explain the concept of pointers and one dimensional arrays.

12. Explain structures and pointers.

13. Discuss on creating, opening, closing and processing a data file.

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