

MAY 2016

**P/ID 17453/RCC/
P/CAE**

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 find the sum of the following series

$$1 - 2 + 3 - 4 + \dots$$

2. (a) Write short notes on Functions.

Or

- (b) Write a C Pointer program to swap two values.

3. (a) Discuss the method of defining an Array.

Or

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

4. (a) Discuss on Union.

Or

(b) How to define a structure in C? Explain.

5. (a) Write notes on `getc()` and `putc()` functions.

Or

(b) How to define and open a file? Discuss.

PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

6. Explain the basic data types in C.

7. Describe the following :

(a) while statement (5)

(b) do...while statement. (5)

8. Give a detailed note on Pointers.

9. Write a C program to find the GCD of two numbers.

10. Give a detailed note on Storage classes.

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11. Explain the concept of Pointers and one dimensional Array.
 12. Give a detailed note on Array of structures.
 13. Write a C file program to copy the contents of one file into another file.
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