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Register Number:

Name of the Candidate:

M.C.A. DEGREE EXAMINATION, May 2015

(FIRST SEMESTER)

141. UNIX, C AND C++

Time: Three hours

Maximum: 100 marks

SECTION -A

(8 × 5 = 40)

Answer any EIGHT questions

1. Define any five basic commands in UNIX.
2. Explain pipes in UNIX with examples.
3. Differentiate array and structure in C.
4. Explain the unformatted I/O functions in C.
5. Explain conditional operator with an example.
6. Write C program to check whether a given number is prime or not.
7. Write a C++ program to overload binary '+' operator.
8. Explain data abstraction with an example.
9. Explain inline function with an example.
10. Write short notes on friend function.

SECTION -B

(3 × 20 = 60)

Answer any THREE questions

11. Explain IF conditionals with examples in UNIX
 12. a) Explain command line arguments in C
b) Write a C program to prepare inventory report.
 13. a) Explain the various methods of passing parameters in C
b) Differentiate entry-controlled and exit-controlled loop in C with examples.
 14. a) Explain multilevel inheritance with an example.
b) Write short notes on constructors.
 15. a) Explain function overriding with suitable example.
b) Explain 'this' pointer with an example.
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