

OCTOBER 2013

P/ID 17501/PCASA

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Time : Three hours

Maximum : 100 marks

PART A — (6 × 5 = 30 marks)

Answer any SIX questions.

1. Write about C data types with examples.
2. List out “C” library functions with their meanings.
3. Describe Union type in “C”.
4. How will you define pointers to Arrays? Give the syntax with an example.
5. How will you define a stack in ‘C’? Give an example.
6. How will you open and close a file? Give the syntax with examples.
7. Give the block diagrams of structure of UNIX and write about the components.
8. Write about Read and Exit commands in shell programming.

PART B — (7 × 10 = 70 marks)

Answer any SEVEN questions.

9. Illustrate 'C' switch statement with an example program.
10. What is recursion? Demonstrate its purpose with a 'C' program for factorial computation?
11. Write a 'C' program to illustrate pointers with function.
12. Write a 'C' program to manipulate employee pay roll process using arrays and structures concepts.
13. Explain the process of insertion of elements into a singly linked list using a 'C' program.
14. Write a 'C' program that demonstrates file updation process.
15. Explain file permissions in Unix.
16. Summarize the types of filter tools of Unix with examples.
17. Illustrate AWK scripts execution. Give an example.
18. Describe the structure of an AWK script. How will you debug scripts?