USCST03 - Computer Science (Paper-I) : Operating System & Linux

P. Pages : 1

Time : Three Hours

0528

Max. Marks : 50

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Notes :   All questions are compulsory and carry equal marks.

Either :

1. a) What is operating system? What are the characteristics of an operating system. **5**

b) Give details about Batch Operating System. **5**

OR

c) Write in detail about computer system operations. **5**

d) Discuss on CPU protection. **5**

Either :

2. a) Explain the role of process in detail. **5**

b) Write a note on protection system. **5**

OR

c) Explain main memory management in brief. **5**

d) Discuss on Device Management in brief. **5**

Either :

3. a) Write a note on structure of Linux operating system. **5**

b) Give syntax, purpose with option and example of is command. **5**

OR

c) Demonstrate working with Bourne shell. **5**

d) What is the meaning of following Linux commands – **5**
   i) $pwd
   ii) $mkdir ruma yenko
   iii) $rmdir rushi keshao inderamta
   iv) $mv rmbhal manju
   v) $rm yogita.txt ujwala.tmp dimple.bat

Either :

4. a) Give details of any one control flow statement. **5**

b) Describe the purpose of PS and kill in brief. **5**

OR

c) Give details about chmod command with example. **5**

d) Write down the shell script to find addition of three variables. **5**

5. a) Elaborate the concept of storage hierarchy. **2½**

b) Write a note on information maintenance. **2½**

c) Give the meaning of $cat-n Kiara.txt **2½**

d) Demonstrate shell parameters in detail. **2½**

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