PCMCMT203.1 - Paper-III : Elective-I : Operating System and Linux

P. Pages : 2

Time : Three Hours

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labeled diagram wherever necessary.
3. Avoid vague answers and with answer relevant and specific to questions only.

Either

1. a) Define Operating System. Discuss various functions of Operating System. **8**

b) Explain Time Sharing system in detail. **8**

OR

c) What is Virtual memory? Explain in detail. **8**

d) Explain various types of Operating Systems in details. **8**

Either

2. a) What is Booting? Explain warm and cold booting. **8**

b) Explain following command with syntax and example : **8**
i) TREE   ii) PATH
iii) XCOPY   iv) SUBST

OR

c) Distinguish between Disk Operating System (DOS) and Windows OS. **8**

d) Explain any four general commands in detail. **8**

Either

3. a) What is Linux? Explain Linux File system in detail. **8**

b) Define Shell. Explain C-Shells and Korn shells in details. **8**

OR

c) Explain following command with syntax and example: **8**
i) Mkdir   ii) Cat
iii) Pwd   iv) More

d) Explain structure of Linux Operating System with example. **8**

Either

4. a) What do you mean by permission modes? Explain chmod and chown permission mode with example. **8**

b) Explain following with syntax and example : **8**
   i) $HOME   ii) $SHELL

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OR

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c) What are Shell Scripts? Give the rules for creating a shell variable in UNIX Operating System. **8**

d) Write Shell Script for Multiplication of three numbers. **8**

5. Solve all the questions.

a) Write a note on multiprocessing. **4**

b) Discuss the directory structure of DOS. **4**

c) Write a note on Vi editor. **4**

d) Explain egrep in detail. **4**

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