P1 / PCCCAT203.1 - Elective-I - Paper-III
Operating System and Linux

P. Pages : 2

Time : Three Hours

2492

GUG/S/18/8212

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.
2. Draw neat and labelled diagram and use supporting data wherever necessary.
3. Avoid vague answer and write specific answer related to questions.

1. Either

a) Define operating system. What are the main purpose of an operating system. **8**

b) Explain online and offline processing in detail. **8**

OR

c) What is Batch processing system? List advantage and disadvantage of it. **8**

d) Explain time-sharing system in detail. **8**

2. Either

a) Define DOS? Explain the different type of DOS command. **8**

b) Explain the following. **8**
   i) DIR   ii) CD
   iii) RD   iv) TREE.

OR

c) Explain General Command with example. **8**

b) Explain file management command in dos. **8**

3. Either

a) Explain structure of Linux operating system. **8**

b) Explain the following. **8**
   i) Text editor
   ii) Vi editor

OR

c) What is Linux operating system? Explain different types of shell in detail. **8**

d) Explain the following. **8**
   i) mkdir   ii) cd
   iii) cat   iv) cp

4. Either

    a)   Explain different types of pipe and filters with example.   **8**

    b)   Explain the various control statement supported by shell script.   **8**

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OR

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    c)   Explain the following.   **8**
        i)   chmod   ii)   chown

    d)   List the different communication utilities supported by Linux. Explain any two of them.   **8**

5.   Solve all question.

    a)   Explain multiprogramming operating system.   **4**

    b)   What is Booting? Explain it's type in detail.   **4**

    c)   Explain Korn and C-shells in detail.   **4**

    d)   Explain the various shell parameter techniques.   **4**

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