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

P. Pages : 2 |||||||||||||||||| **GUG/S/23/11576**

Time : Three Hours   * 1 7 0 7 *   Max. Marks : 50

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Notes : 1. All questions are compulsory and carry equal marks.
         2. Draw neat and labelled diagram wherever necessary.
         3. Avoid vague answers and write answers relevant and specific to questions only.
         4. Assume the data when and wherever necessary.

Either:

1. a) Write main functions of an Operating system.   **5**

     b) Discuss on time sharing Operating system.   **5**

OR

     c) Describe I/O memory in brief.   **5**

     d) What do you mean by Real Time Operating System?   **5**

Either:

2. a) What is Process? Explain its types.   **5**

     b) Write a short note on command Interpreter system.   **5**

OR

     c) Explain Networking as a system component.   **5**

     d) Discuss on secondary storage Management in brief.   **5**

Either:

3. a) Demonstrate Naming of files and Directories with example.   **5**

     b) Give the meaning of each of the following   **5**

         i) $cat goat

         ii) $ mv Vijaya jambh

         iii) $cp mohini talodh

         iv) $rm – r jugnala

         v) $rmdir sindewa

OR

c) Give syntax, purpose with option and example of ℓs command. **5**

d) Discuss on Korn shell in detail. **5**

Either:

4. a) Write down the shell script to check the age and display the appropriate message of voting rights. **5**

b) Explain if statement with suitable example. **5**

OR

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

d) Demonstrate the shell script to display the multiplication table. **5**

5. All questions are compulsory.

a) List the advantage of Multi-programmed Operating system. **2½**

b) Write a note on Main Memory. **2½**

c) Write a short note on Bourne shell. **2½**

d) Write Rules for creating variable. **2½**

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