

B.Sc.- I (CBCS Pattern) Semester-II
USCST03 - Computer Science Paper-I - Operating System & Linux

P. Pages : 2

Time : Three Hours



GUG/W/24/11576

Max. Marks : 50

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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 write answers relevant and specific to questions only.
 4. Assume the data when and wherever necessary.

Either:

1. a) Discuss on time sharing Operating System. 5
- b) Describe I/O memory in brief. 5

OR

- c) What are the various purposes of an Operating System? 5
- d) Explain about I/O Interrupt. 5

Either:

2. a) Write a short note on Command Interpreter System. 5
- b) Write a note on File Manipulation. 5

OR

- c) Demonstrate the concept of File I/O system. 5
- d) Write a note on Operation on Process. 5

Either:

3. a) Explain Korn Shell in brief. 5
- b) Give syntax, purpose with option and example of ls command. 5

OR

- c) Differentiate cp and mv command with example. 5
- d) Explain following commands with example. 5

i) cd

ii) pwd

Either:

4. a) Give details about chmod command with example. 5
- b) Write down the shell script to find the product of three variables. 5

OR

- c) Write down the shell script to display current date and users those who have logged in. 5
- d) Enlist the rules of variables used in shell script. 5
5. All questions are compulsory.
- a) “Without Operating System Computer is dead”. Illustrate the given statement. 2½
- b) Write a note on Main Memory. 2½
- c) Explain mkdir command with example. 2½
- d) Write a note on chown. 2½
