

B.Sc. (I.T.) - II (with Credits)-Regular-Semester 2012 Sem III
BScIT234 - Paper-IV : Principles of Operating System and Linux

P. Pages : 2

Time : Three Hours



GUG/S/18/3290

Max. Marks : 80

-
- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw a neat and labelled diagrams wherever necessary.
 3. Avoid vogue answers.

Either:-

1. a) Explain multi-programmed operating system in detail. 8
- b) Explain I/O structure of computer system in detail. 8

OR

- c) What do you mean by Real time operating system? Explain. 8
- d) Explain Role of operating system in detail. 8

Either:-

2. a) What is process? Explain types of process. 8
- b) What do you mean by system call? Explain 8

OR

- c) Explain concept of File I/O system in detail. 8
- d) Write notes on command Interpreter system. 8

Either:-

3. a) Explain following commands in detail 8
 - i) Mkdir ii) Rmdir
 - with example

- b) What is role of system administrator? Explain. 8

OR

- c) Explain basic structure of Linux operating system. 8
- d) Write notes on Bourne Shell. 8

Either:-

4. a) What is variable? How to declare variable in Linux Shell script with example 8
- b) Explain different control flow statements in shell script. 8

OR

c) Explain following with syntax & example **8**
i) PS ii) Kill

d) What is shell parameters? Explain. **8**

5. Solve all the questions.

a) What is operating system? Explain. **4**

b) Writes note on Information maintenance. **4**

c) Write notes on 'More' command. **4**

d) Explain 'Chmod' command in Linux. **4**
