

Bachelor of Science (B.Sc. - I) (CBCS Pattern) Second Semester CBCS
USCST03 - Computer Science Paper-I : Operating System & Linux

P. Pages : 1

GUG/W/18/11576

Time : Three Hours



Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Either:
- a) What is operating system? What are the characteristics of an operating system. 5
 - b) Write a note on dual mode operation. 5
- OR**
- c) Explain in brief Time Sharing Operating System. 5
 - d) What is mean by interrupt in operating system? Explain it. 5
2. Either:
- a) Explain in detail process management. 5
 - b) Write a note on protection system. 5
- OR**
- c) What is process? What are the different operations on process. 5
 - d) Explain the term command interpreter system. 5
3. Either:
- a) What is Linux Operating System? Write its Features. 5
 - b) Explain is command with any two options. 5
- OR**
- c) Explain Startup and Shutdown in Linux. 5
 - d) Explain in detail Vi-editor. 5
4. Either:
- a) Write note on:
 - i) Grep Command
 - ii) Chmod Command5
 - b) What are variables? Write purpose of following variables. 5
 - i) \$n
 - ii) \$#
- OR**
- c) Explain egrap command in detail. 5
 - d) Write a shell script for addition of three numbers. 5
5. Attempt all the questions.
- a) Write a note on batch processing. 2½
 - b) Define the term System components. 2½
 - c) Write a note on rmdir directory command. 2½
 - d) What are the basic types of permission? 2½
