

Unique Paper Code : 42353501
Name of the Paper : Operating System: Linux
Name of the Course : Mathematics: Skill Enhancement Course for B.Sc. (Prog.)
Semester : V
Duration : 3 hours
Maximum Marks : 38 Marks

Attempt any four questions. All questions carry equal marks.

1. (i) Describe the following functions:
fopen, fread, fwrite, fclose
(ii) Write a shell script to accept two numbers and print their sum.
(iii) Explain about creating the Ext2 file system with their default options.
2. (i) Explain in brief; FIFOs.
(ii) Elaborate the Installation of Operating System : Linux.
3. Write short note on
(i) Message Queues.
(ii) Working with permissions.
(iii) Start up Scripts.
4. (i) Explain the main characteristics of Linux kernel that differ from others Unix-like kernels.
(ii) Write a short note on Resource management in Linux.
5. (i) Write the operations for linking a module into the running kernel by executing the insmod.
(ii) Write short note on Features of Linux.
6. (i) Write a short note on library and system calls for memory.
(ii) Explain in short; Linux Architecture.