

Diploma (One Year) (B.Voc.) Semester—II (Software Development) Examination
OPERATING SYSTEM CONCEPTS AND LINUX

Compulsory Paper—4

[Maximum Marks : 70]

Time : Three Hours]

N.B. :— All questions are compulsory and carry equal marks.

EITHER

1. (A) What is OS (Operating System) ? Explain the functions of Operating System.

(B) Explain Memory Management of Operating System.

OR

- (C) What is Process ? Write a procedure to create and terminate the process.

(D) Write short notes on :

(i) Paging

(ii) Segmentation with paging.

EITHER

2. (A) What is disk space management ? Explain with suitable example.

(B) Write and explain File Accessing Methods.

OR

(C) What is RAID ? Explain the levels of RAID.

(D) What is I/O Buffering ? Explain different types of I/O buffering.

EITHER

3. (A) Explain the directory structure of Linux Operating System.

(B) Explain rm command with all of its attributes.

OR

(C) What is Linux OS ? What are the features of Linux Operating System ?

(D) Write a note on Vi editor.

EITHER

4. (A) Write a note on Wall and Talk command.

(B) Write a procedure to create additional free disk space in Linux.

OR

(C) Explain top utilities in Linux.

(D) Write a note on :

(i) Creating Process

(ii) Killing Process.

5. Attempt all :

(A) Explain Micro Kernel in detail.

(B) Write a note on Disk Cache.

(C) What are the different file types in Linux ?

(D) Explain who, who am i and finger command.