

Roll No.

Total Pages : 2

BT-6/M-23

46212

LINUX OPERATING SYSTEM

Paper : PC-IT-304A

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt five questions by selecting at least one question from each Unit.

UNIT-I

1. (a) Describe the management of the Kernel modules during runtime and their function in operating systems. (8)
(b) How users and user groups are managed in Linux Operating System? (7)
2. (a) Describe the Linux operating system's with its basic components. (7)
(b) What is disc partitioning? How does it work on Linux? Describe the various steps involved. (8)

UNIT-II

3. Explain the Terms:
 - (a) ARP.
 - (b) TCP/IP.
 - (c) RPC.(5×3=15)

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4. What is NFS? Describe the configuration of the NFS server with statistic mount and auto mount? (15)

UNIT-III

5. (a) Describe the Security and Authentication mode of the Linux-based Samba Server. (8)
(b) What do you mean by running Linux on the same computer? Clearly define NT Boot Loader. (7)
6. (a) Explain the function and significance of LDAP. (7)
(b) Explain the following in Shell Scripting.
(i) Awk.
(ii) sed.
(iii) grep.
(iv) Startup Script. (2×4=8)

UNIT-IV

7. (a) How would you define encryption? Describe encrypted connections and servers. (8)
(b) Provide a brief overview of port scanning. (7)
8. (a) Describe the processes for an email transaction. (8)
(b) Provide a brief remark about IDS. (7)
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