

Roll No.

Total Pages : 2

46212

BT-6/M-24
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) What do you mean by shell in Linux operating system? Write different types of shell used in Linux. (8)
- (b) What is Kernel? Discuss in detail various functions performed by the kernel. (7)
2. (a) What is disc partitioning? How does it work on Linux? Describe the various steps involved. (7)
- (b) Differentiate between LILO and GRUB boot loaders. (8)

UNIT-II

3. Write short notes on the following :
 - (a) Address resolution protocol.
 - (b) Subnets and routing. (15)
4. What is NIS and NFS in Linux? Explain in detail and also write merits and demerits of both. (15)

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UNIT- III

5. (a) Explain the elements of windows networking. (8)
(b) What do you mean by Dual boot. Explain GRUB and NT Boot loaders. (7)
6. (a) Explain the function and significance of LDAP.
(b) Explain the following in Shell Scripting :
(i) Awk.
(ii) sed.
(iii) grep.
(iv) Startup Script. (2×4=8)

UNIT-IV

7. (a) Explain Intrusion detection system in Linux. (8)
(b) Write a note on IP-firewalls. (7)
8. (a) Describe the steps of an email transaction. (8)
(b) Explain DNS zones. (7)

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