St. JOSEPH'S COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI – 620 002

SEMESTER EXAMINATIONS – APRIL 2015

TIME: 3 Hrs.
MAXIMUM MARKS: 100

SEM	SET	PAPER CODE	TITLE OF THE PAPER
IV	2013	13PCA4201A	LINUX ADMINISTRATION

SECTION – A

Answer all the questions:
20 x 1 = 20

Choose the correct answer:

1. Linux is developed by _____.
   a) Linux Torvolds
   b) Linus Torvolds
   c) Tennis Richie
   d) Tim Bernes-Lee

2. What is minimum space allocated for boot directory?
   a) 32Mb
   b) 31Mb
   c) 512Mb
   d) 1Gb

3. _____is someone who breaks into computers often to do something malicious.
   a) Cracker
   b) Hacker
   c) Thief
   d) None

4. In the _____network topology the machine on the network connects to the control hub.
   a) Star
   b) Bus
   c) Ring
   d) None

5. The Linux OS needs _____protocol to communicate with NetWare clients.
   a) IPX
   b) SPX
   c) TCP
   d) IP

State True or False:

6. The heart of the operating system is called shell.
7. The command used to modify user properties is moduser.
8. Setpass is command used to set a new password.
9. All IP address on a particular LAN must start with same number.
10. The primary job of the web server is to accept HTTP request.

Fill in the blanks:

11. _____ is the file manager/ graphical shell in GNOME.
12. Monitoring CPU usage can be checked with _____command.
13. _____uses a single key to both encrypt and decrypt the messages.
14. _____provide a way to setup secure communication over an insecure network.
15. _____is an easy way to share large amount data among the users and computers in an organization.

Answer in one or two sentences:

16. What is the name of configuring file used in the kick start installation?
17. What is command used to become a super user?
18. List the types of firewalls.
19. What are the equipments needed to construct a LAN?
20. What are the goals of setting up file server?

SECTION – B

Answer all the questions: **5 x 7= 35**

21. a. Give short note on the new features of Red Hat Linux.

<center>**OR**</center>

b. Write a note on web browsing with Mozilla.

22. a. How will you monitor system performance?

<center>**OR**</center>

b. Explain the administrative logins used in Linux Operating System.

23. a. How will you use Tripwire to Detect Tampered files?

<center>**OR**</center>

b. Write a note on encryption techniques used in red hat Linux.

24. a. Write note on dynamic and static IP addresses.

<center>**OR**</center>

b. Give a brief account on Crypto IP Encapsulation (CIPE).

25. a. How will you monitor the server activates?

<center>**OR**</center>

b. Write down the main features of apache web server.

<center>**SECTION – C**</center>

Answer any THREE questions: **3 x 15 = 45**

26. Describe the detailed installation procedure of RHL.

27. Explain the text mode and GUI procedure of creating user accounts in Red Hat Linux.

28. List and explain the procedure for detecting Instruction form log files.

29. Explain the procedure for starting up a wireless LAN.

30. Explain the procedure for Creating and Configuring the NetWare file server.

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