(2½ Hours)	[Total Marks: 75]
N. B.: (1) All questions are compulsor (2) Make suitable assumptions (3) Answers to the same question (4) Numbers to the right indicat (5) Draw neat labeled diagram (6) Use of Non-programmable	wherever necessary and state the assumptions made. on must be written together. e marks. s wherever necessary.
1. Attempt any three of the follow	ing: 15
 Write down the steps for: add a ne Groups via user manager applicat 	ew User and Groups, modify its properties and view
b. List and Explain duties of Linux	
	strative privileges using su and sudo command.
d. How to manage packages on RHI	EL using both YUM and PackageKit Suit.
e. Explain adding, enabling, disabling	ng YUM repository
	age group and removing a package.
2. Attempt <u>any three</u> of the follow	
	a wireless connection for mobile broadband.
 Explain different kinds of partition 	
 Describe different types of file sy Write a short note on ETH Tool. 	stem and its properties.
e. Explain Network Configuration a	nd Interface configuration files
f. How to create Logical Volume w	
3. Attempt any three of the following	
 Discuss the steps to install and co 	
 b. Write short note on MTA, MDA; 	
 Explain all the steps to set up a Sa 	
d. What is the concept of APACHE	HTTP Server? explain in brief.
 e. Explain Mail Access Protocol. 	
f. What is DNS Server and explain i	ts Nameserver zone with BIND.
4. Attempt any three of the followi	na.
a. Explain ps and top command with	13
b. Write down the steps to run the N	
and oropo to that the fit	
Trym are capie configuration of	KS I SLUU IIIe.
- mount citori and raiter	
 Explain the working with Queue i 	n Ksyslog.

- f. Discuss the following commands:
 - a. Isblk
 - b. Isblk -I
 - c. blkid
 - d. findmnt
 - e. findmnt -l
- 5. Attempt any three of the following:

15

- Write down the steps to allow basic services through the firewall using systemconfig-firewall.
- b. What is tables, chains, and rule? How is rule composed? explain in brief.
- Explain the configuration of NAT.
- Write the steps for creating, exchanging, and managing GPG keys.
- What are the elements of bash shell? Write one example in bash shell with executing script.
- f. How to create and manage certificate using openssl command-line utility.

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