(21/2 Hours)

[Total Marks: 75]

	N. B.: (1) All questions are compulsory.	5.7
	(2) Make suitable assumptions wherever necessary and state the assumptions made	
	(3) Answers to the same question must be written together.	
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(5) Draw neat labeled diagrams wherever necessary.	
	(6) Use of Non-programmable calculators is allowed.	
1	. Attempt any three of the following:	
a.		
. b.	Write short note on Piping and Redirection.	
c.		
· d.	Explain cron in detail for job scheduling.	
e.		
f.		
2.	Attempt any three of the following:	15
a.	1000000 An in November 200 An in	
b.		
c.		
d.	What are different SSH security settings? Explain.	
e.	Explain group configuration file,	
f.	What are file and directory permissions? How to change permissions.	
3.	Attempt any three of the following:	15
a.	What is Firewall? How to allow basic services through firewall?	
b.	What is NAT? Give steps to Configure NAT.	
c.	Write steps for Creating and Managing Self-Signed Certificate.	
d.	How to Encrypt Files with GPG?	
e.	What is NFS? What are advantages and disadvantages of NFS?	
f.	Give Steps to Configure Samba Server.	
4.	Attempt any three of the following:	15
a,5	What is DNS server? List and explain DNS server Types.	
Б.	Write steps for Setting Up a Cache-Only Name Server.	
٥.	Explain the components of email delivery process.	
i.	Explain different Secure Internet Configurations for Postfix.	
	What are modes of Apache? Explain some performance parameters for these modes.	
	What is Apache Module? How to add modules in Apache web server?	
1.5	Attempt any there of the fallowing	
100	Attempt any three of the following:	15
4	What are different ways to execute shell script? Explain in detail.	
	Write a script to accept the number from user and print its multiplication table.	
	with you setup boliding?	
	Explain Configuration of GFS2 File Systems.	
	Write steps for Configuring the DHCP Server for PXE Boot.	
	Explain kickstart file to perform an automated installation.	