LEVEL	TOPIC	SUB-TOPIC	DESCRIPTION	COMMENTS	ESTIMATION (h)
Initials					
L2	Installation	Installation of Linux	Ubuntu & CentOS		
L2	Boot Process of Linux	Understand runlevels and manage GRUB			
L1	Difference Between Linux, Unix and Windows				
L1	Various Platforms of Unix and Linux				
L2	Dual Boot Installation of Windows and Linux		High Level understanding		
L1	Directory structure				
L1	User Management	commands, manually			
L1	File Permissions	read, write, execute, setuid, setgid, sticky bit			
L2	Package Management	yum, apt, dpkg, rpm			
L1	Relative and Absolute path				
L1	Navigation through directories				
L1	shell				
L2	ports & sockets				
L1	Environment variables				
L1	Basic utilities and servers	rsync			
L1	File system	Manage filesystem definition & basic understanding			
L2	Memory mgmt	Types of memory, memory management commands, Swap mgmt	Disk based swap, file base swap		

	TOPIC	SUB-TOPIC	DISCRIPTION	COMMENTS	ESTIMATION (h)
Initials					
L1	Basic Commands	ls, cd, cat, pwd, touch, mkdir, rm, cp, mv, ping, tail, head, who, ps, kill, pkill	kill -15, kill -9, pkill -hup		8
L2	Advanced	grep, awk, find, sed, netstat, telnet, ifconfig,			12
L1/L2	Disk command	du, df, fdisk, mkswap, swapon, swapoff, mount, umount			16
L2	system monitoring	top, htop, sar, w, uptime, mpstat, prstat, vmstat, iostat, systat			24

LEVEL	TOPIC	SUB-TOPIC	DESCRIPTION	COMMENTS	ESTIMATION (h)
L2	Basic topics	Inode, Hardlink & Softlink, Sticky Bit, Hidden files, sudoers, load average		partial	12
L2	Servers	SSH, SFTP, SCP, FTP, SAMBA, NTP, DNS & DHCP, NFS	Difference b/w 4 and 3, NFS Daemons		20
L2	Process	Background process, Zombie process, Orphan process, CRON		partial	6
L2	Basic configuration files	passwd, shadow, hosts, hostname, hosts.allow, hosts.deny, resolve.conf, .bashrc, profile.rc, login. defs		done	6
	Wildcards				
L2	Security	Firewalls, Iptables, Selinux, ACL, pam		partial	20
L2	Memory mgmt adv.	Proc Directory			3
L2	Filesystem mgmt	Mounting and unmounting, fstab	softmount, hardmount	done	8
L2	system log mgmt	systemd, journald & rsyslog			8
L2	Disk mgmt	LVM, fdisk	1	done	12
L2	Service management	systemctl, init.d		partial	12

LEVEL	TOPIC	SUB-TOPIC	DISCRIPTION	Suggested Links	COMMENTS	ESTIMATION (h)
Initials						
				Web Server		
			What is Webserver, Webserver vs WebContainer,	Nginx		
			Configuration of Nginx(Nginx+Apache)	NGINX (Dns based VIRTUAL HOSTING)		
			Hosting (Nginx + Apache)- Dns Based Virtual Hosting	IP BASED HOSTING		
			- IP Based Virtual Hosting	Configuration of Reverse Proxy in Nginx		
	WebServers	Apache, Nginx	- Port Based Virtual Hosting			
			Hosting (2 or more Dns/IP) + Apache	Redirection in Nginx		
			Redirection in Nginx + Apache	Configuration of Reverse Proxy in Nginx		
			Reverse Proxy(Nginx + Apache)	Authentication in Nginx		
			Authentication (Nginx + Apache)	Load Balancing + apache hosting		
			Load Balancing(Nginx + Apache)			
	Web container	Tomcat, jetty, Jboss, glasfish				
	Virtualization tool	vagrant, docker				
	VCS	Git				
	CI tools	Jenkins				
	Build tools	Maven, Ant				
	Monitoring tools	zabbix				
	Orchestration tools	Puppet, Chef, Ansible	Puppet Training Outline			
			Chef Training Outline			

LEVEL	TOPIC	SUB-TOPIC	DISCRIPTION	COMMENTS	ESTIMATION (h)
Initials					
	Cloud Technology	AWS advanced, Azure, Digital Ocean			
	Code Quality Analysis Tool	Sonar			

LEVEL	TOPIC	SUB-TOPIC	DISCRIPTION	COMMENTS	ESTIMATION (h)
Initials					
	Cloud Technology	AWS			
	CI tools	Travis, GoCD, CircleCI			
	Monitoring	Nagios, CheckMK			
	Virtualization tool	Docker in depth, Kubernetes			
	VCS	Gitlab, Bitbucket, SVN			