S.NO	PRIMARY TOPICS	SUB TOPICS	POINTS TO BE COVERED	DURATION (Theory) HOURS / MIN
1	DHCP	Need for Dynamic Allocation	Issues in manual Allocation of Ips	100
			Advantages of dynamic allocation	
		Technologies prior to DHCP and the	BOOTP	
			RARP	
			ARP	
		DHCP Concept	What is DHCP and its purpose	
		Step by Step Process	Step by step process of DHCP with the information flow	
		3 Mechanism to Allocate IP address	Pros, Cons and scenarios for each allocation method	
2	Name resolution and DNS	Need for name resolution and name	host file	90
			DNS	
			lmhost file	
			WINS	
		DNS Hierarchy	DNS hierarchy, root hints, zones	
		Resolution Process	Order of resolution	
			DNS caching	
			DNS client side caching and nslookup	
		DNS Records	Most commonly used records	
3	Directory Service	What & Why is LDAP?	What is directory service and need of it.	90
			What is LDAP and X.500	
		LDAP Organise Directories	How LDAP organizes the objects	
			example implementation of LDAP	
4	Mail Services	What is Email?	Components of Mail system	90
		MTA	Difference and application of the protocols	
		MUA	Difference and application of the protocols	
		LDA	Difference and application of the protocols	
		SMTP	Difference and application of the protocols	
		POP3	Difference and application of the protocols	
		IMAP4	Difference and application of the protocols	
		MAPI	Difference and application of the protocols	
5	Proxy Service	What is Proxy?	What is Proxy and Need for Proxy	90
		Why is Proxy?	Proxy Caching	
		How it works?		
6	Web Service	What is Webservice?		
		How it works?		30