



Day wise Syllabus division of CCNA (6 weeks)

Day	Date	Content
1		Certifications, Scope, Network, Networking, Internet or Extranet, Intranet, Root servers
2		Ping, Tracert, History of Networks
3		Types of Network, Modes of Communication, Traffic Pattern
4		MAC Address, Networking devices- LAN Card, Hub, Bridge
5		Networking devices cont.- Switch, Router, ARP and RARP
6		Transmission Media- Guided (Coaxial, twisted pair, fibre optics) and Unguided
7		IP Addresses and IPv4 introduction
8		IPv4 cont. and Subnetting- FLSM
9		FLSM cont.
10		VLSM
11		VLSM cont. and Cisco Packet Tracer Introduction
12		Ports of a Router – Interfaces and Lines
13		Difference between Lease Line and ISDN
14		Modes of a Router, Command of User Mode
15		Basic Commands of Privilege Mode, Basic Commands of Global Configuration Mode
16		Basic Commands of Interface Configuration Mode, Basic Commands of Line Configuration Mode
17		Types of Password and Password Breaking
18		DHCP- Introduction and Lab
19		Telnet and SSH

20		IP Routing- Introduction and Static Routing
21		Default Routing
22		Dynamic Routing- Interior and Exterior, AD, Metrics of Dynamic Routing Protocol
23		RIPv1 and RIPv2
24		Autonomous System and EIGRP
25		EIGRP Lab
26		AREA, ROUTER ID, ABR, ASBR and OSPF
27		OSPF Lab
28		ACL- Introduction and Lab
29		Switch types, VLAN Introduction, How to create VLAN, Port Assignment
30		Trunking, VLAN Lab Practice
31		Modes- on, off, dynamic desirable, dynamic auto, VLAN Lab Practice
32		VTP- Introduction and Modes- Server, Transparent and Client
33		InterVLAN- Introduction and Lab
34		Port Security
35		STP- Introduction and STP State- Disable, Blocking, Listening, Learning, Forwarding
36		NAT
37		IPv6 Introduction
38		Static Routing
39		RIPng, OSPF
40		Redistribution