



Horizon Computers
Training | Placement | Consulting



CCNA

Comes with a unique job edge

Must for every networking Professional and Aspirant

HORIZON COMPUTERS

302/303, Om Rachna CHS, Sec-17.
Vashi.

+9122 6791 2954

www.horizoncomputer.org

MUST KNOWS ABOUT CCNA

- ✓ Very crucial certificate for anyone venturing into the field of Networking & Interworking
- ✓ It's a foundation which will help candidates understand advance level certificates
- ✓ Weak foundation will become obstacle in achieving Higher Level Certifications
- ✓ Weaker Practical & Real World Skills will make your CCNA certificate in-effective

Why CCNA is so important

Opportunity to
learn basics

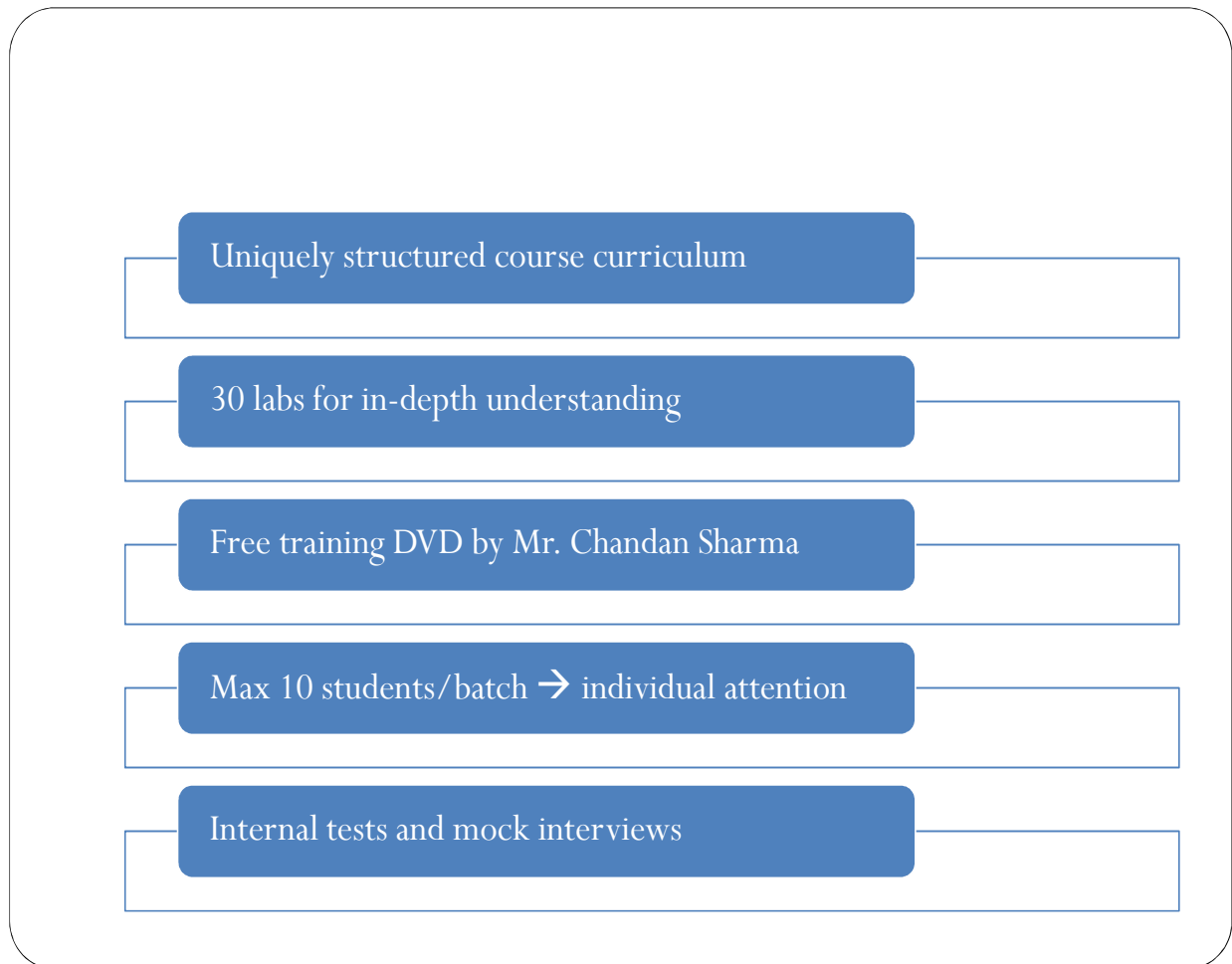
Entry in to
Internetworking
world

Non IT students
need to be made
technically sound

Strong foundation
helps in building a
successful career

We have a Special Focus on CCNA knowing very well how crucial it is for your Career. The program is designed by Our Chief Cisco Instructor and IT consultant **Dual CCIE#19701 Chandan Sharma** keeping in mind the importance of Real world practical knowledge.

JOB EDGE HIGHLIGHTS



There is a very high failure rate for CCNA in interviews and many of them remain jobless even after finishing their CCNA. But with our CCNA you will always stay ahead of rest.

CCNA SYLLABUS & SCHEDULE

Session	Topic	Contents
1	CCNA INTRODUCTION	<ul style="list-style-type: none"> • ROLE OF CCNA • JOBS • NETWORK VS INTERNETWORK • DETAILS OF ALL CISCO TRACKS
2	NETWORKING BASICS	<ul style="list-style-type: none"> • NETWORKING /INTERNETWORKING • TOPOLOGIES: BUS,STAR,RING,MESH <ul style="list-style-type: none"> ○ PHYSICAL VS LOGICAL • CABLES AND CONNECTORS & DEVICES: REPEATERS, HUBS , BRIDGES , SWITCHES , ROUTERS
3	ETHERNET LAN	<ul style="list-style-type: none"> • ETHERNET STANDARDS • LAN SWITCHING • COLLISION DOMAINS • DUPLEX: HALF /FULL • CSMA/CD • CABLING: STRAIGHT /CROSSOVER • ADVANTAGES OF SWITCH • MAC ADDRESS • BRIDGE VS SWITCH
4	OSI - 7 LAYERS MODEL	<ul style="list-style-type: none"> • ADVANTAGES OF USING OSI MODEL • FUNCTION OF EACH LAYER • PRACTICAL - CAPTURING PACKETS USING ETHERCHANNEL

5	IP ADDRESSING	<ul style="list-style-type: none"> • NUMBERING SYSTEMS AND CONVERSIONS • CLASSES OF IP ADDRESS • SUBNETTING • FLSM VS VLSM
	TEST 1 (TOPICS 1-5)	
6	CISCO IOS	<ul style="list-style-type: none"> • BOOTING PROCESS OF ROUTER • BASIC COMMANDS • BASIC COMMANDS PRACTICALS • ADVANCED COMMANDS • ADVANCED COMMANDS PRACTICALS • BACKUP OF IOS/STARTUP-CONFIGURATION USING TFTP SERVER • BACKUP OF IOS / STARTUP-CONFIGURATION PRACTICALS • PASSWORD RECOVERY ON ROUTER PRACTICALS
7	ROUTING FUNDAMENTALS	<ul style="list-style-type: none"> • STATIC VS DYNAMIC ROUTING • STATIC ROUTING PRACTICALS • ROUTING PROTOCOL CATEGORIES: DISTANCE VECTOR /LINK STATE • RIP VER 2: CONFIGURATION, SPLIT HORIZON, POISON REVERSE • RIP VER 2 PRACTICALS • EIGRP : CONFIGURATION , NO AUTO-SUMMARY , NETWORK COMMAND • EIGRP PRACTICALS

8	ROUTER ACCESS METHODS AND STEPS	<ul style="list-style-type: none"> • OSPF: ADVANTAGES ,OSPF NEIGHBOR RELATIONS , DR/BDR ELECTION , MULTIPLE AREA VS SINGLE AREA DESIGN , NEIGHBOR TROUBLESHOOTING. • OSPF PRACTICALS
9	ACCESS CONTROL LIST (A.C.L)	<ul style="list-style-type: none"> • CONSOLE • TELNET • SSH • HTTP • CONFIGURING ROUTERS FOR TELNET , SSH , HTTP ACCESS - PRACTICALS
TEST-2 (TOPICS 1-8)		
10	NETWORK ADDRESS TRANSLATION (NAT)	<ul style="list-style-type: none"> • STANDARD ACL • EXTENDED ACL • NAMED ACL • PRACTICALS OF ACL
11	WAN TECHNOLOGIES	<ul style="list-style-type: none"> • STATIC NAT • DYNAMIC NAT • PORT ADDRESS TRANSLATION (PAT) • PRACTICALS OF NAT
11	WAN TECHNOLOGIES	<ul style="list-style-type: none"> • POINT-TO-POINT PROTOCOL (PPP) • PRACTICALS OF PPP • FRAME-RELAY • PRACTICALS OF FRAME-RELAY

	TEST-3 (TOPICS 1-11)	
12	LAYER 2 SWITCHING	<ul style="list-style-type: none"> • FUNCTIONS OF SWITCH: FORWARDING / FILTERING , LOOP AVOIDANCE ,CREATING MAC-ADD-TABLE • BASIC SPANNING-TREE-PROTOCOL (STP) / RAPID STP • CREATION OF VLANS ON SWITCHES - PRACTICALS • ASSIGNING PORTS TO VLANS - PRACTICALS • CONFIGURING TRUNKING ON SW - SW PORTS • INTRA-VLAN ROUTING • INTER-VLAN ROUTING • VLAN TRUNKING PROTOCOL (VTP)
13	IP VERSION 6 (IPV6)	
14	WIRELESS NETWORK	
	FINAL THEORY TEST	
	FINAL PRACTICAL TEST	
	MOCK INTERVIEW	

CCNA LABS

1	UNDERSTANDING OSI MODEL-CAPTURING PACKETS USING ETHEREAL.
2	GETTING FAMILIAR WITH ALL NETWORKING DEVICES-HUBS,L-2
3	SWITCHES,L-3 SWITCHES,ROUTERS
4	LAN CABLING-CRIMPING AND TESTING OF STRAIGHT AND CROSS-OVER CABLE.
5	EXTERNAL ANATOMY OF DIFFERENT SERIES OF ROUTERS.
6	BASIC COMMANDS OF ROUTERS
7	ADVANCED COMMANDS OF ROUTERS.
8	CONFIGURING ROUTER FOR TELNET ACCESS
9	CONFIGURING ROUTER FOR SSH ACCESS
10	CONFIGURING ROUTER FOR HTTP ACCESS
11	CONFIGURING ROUTER FOR HTTPS ACCESS
12	TAKING BACKUP OF IOS USING TFTP SERVER
13	PERFORMING PASSWORD RECOVERY ON ROUTER
14	STATIC ROUTING USING 2/3 ROUTERS
15	DYNAMIC ROUTING USING RIP V-2,SPLIT-HORIZON,POISON REVERSE
16	RIP V-1 VS RIPV-2 (3-ROUTERS-CLASSFUL VS CLASSLESS ROUTING)
17	SUMMARIZATION IN RIP
18	EIGRP-CONFIGURATION,NO-SUMMARY,NETWORK COMMAND
19	OSPF-IN SINGLE AREA
20	OSPF DR/BDR ELECTION IN BCMA NETWORK
21	TRAFFIC FILTERING USING ACL <ul style="list-style-type: none"> • WEB FILTERING • ICMP FILTERING • BLOCKING TELNET

22	NETWORK ADDRESS TRANSLATION <ul style="list-style-type: none">• STATIC NAT• DYNAMIC NAT• PORT ADDRESS TRANSLATION (PAT)
23	POINT-TO-POINT PROTOCOL <ul style="list-style-type: none">• CONFIGURING PPP ON WAN LINKS• PPP AUTHENTICATION PAP/CHAP
24	FRAME-RELAY ON PHYSICAL INTERFACE
25	FRAME-RELAY POINT-TO-POINT
26	FRAME-RELAY POINT-TO-MULTIPOINT
27	BASIC MODES AND COMMANDS ON SWITCHES
28	SPANNING TREE PROTOCOL
29	CREATING VLANS ON SWITCHES
30	INTER-VLAN ROUTING
31	INTRA-VLAN ROUTING
32	VLAN TRUNKING PROTOCOL (VTP).



FREE

You can now request for a free Demo Session before enrolling yourself for any program. This will ensure that the responsibility of uplifting your career is in the right hands.

CONTACT US RIGHT AWAY



FREE

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302/303, Om Rachna CHS. Near Apna Bazar, Sec-17. Vashi.
contact@horizoncomputer.org +9122-6791-2954