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Course Name	Cisco Certified Network Associate - 200-301 CCNA (v1.1)
About the Course	This course teaches you how to install, operate, configure, and verify a basic IPv4 and IPv6 network, configure network components, such as switches, routers, and wireless local area network (LAN) controllers (WLNs), manage network devices, and identify basic security threats
Key Skills You Will Learn	Set up, manage, and troubleshoot networks, Configuring and managing networks, IP addressing and subnetting, Network protocols, Network security, Network fundamentals, Network automation and programmability
Course Pre-Requisite	Basic computer literacy, Basic PC operating system navigation skills, Basic internet usage skills, Basic IP address knowledge
Target Audience	Entry-level Network Engineers, Entry-level Network Administrators, Entry-level Network Support Technicians, Entry-level Help Desk Technicians
Job prospects with this role	Technical Support Engineers, Systems Engineers (Fresher), Systems Engineer, Network Administrator, Information Technology (IT) Manager, Senior Network Engineer, Network Security Specialist.
Course Duration	~ 45 Hrs
Course Customisation	Not applicable
Certification	READYBELL Cisco Certified Network Associate - 200-301 CCNA Certificate
Mode of Training	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner
Course Fees	Please contact us
Refund Policy	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds
Job Assistance	Will assist candidate in securing a suitable job
Contact	**READYBELL SOFTWARE SERVICES PVT. LIMITED** **AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091** **E-MAIL: contact@readybellsoftware.com** **PH: +91 - 9147708045/9674552097, +91 - 33-79642872**

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CURRICULUM		
Topic	**Sub-Topic**	**Duration (Hrs)**
Cisco Certified Network Associate - 200-301 CCNA (v1.1)	Module 1: Use Models to Understand IP Networking	45 Hrs
	Module 2: Understand the Role of a Layer 3 Router	
	Module3: Use APs, NGFWs, and Controllers	
	Module 4: Describe the Hierarchical Network Model	
	Module 5:Describe the Hierarchical Network Blocks	
	Module 6: Describe Network Topology Architectures	
	Module 7: Describe Wide Area Network (WAN) Technologies	
	Module 8: Describe WAN Topologies and Connectivity	
	Module 9: Identify Copper Cabling and Termination	
	Module 10: Identify Copper Interface Transmissions	
	Module 11: Identify Fiber Optics and Cables	
	Module 12: Identify Transceiver and Cabling Types	
	Module 13: Identify Cisco Transceivers and Compatibility	
	Module 14: Explain Ethernet Structure and Transmissions	
	Module 15: Explain Ethernet Communications	
	Module 16: Configure Ethernet Interface Speed and Duplex	
	Module 17: Identify Interface and Cable Issues	
	Module 18: Use Layer 4 Transport Protocols	
	Module 19: Understand IPv4 Addressing	
	Module 20: Configure IPv4 Private Addresses	
	Module 21: Use IPv4 Subnetting	
	Module 22: Use IPv4 Variable Length Subnets Masks (VLSM)	
	Module 23: Use Additional IPv4 Addressing	
	Module 24: Understand IPv6 Addressing	
	Module 25: Configure IPv6 Addressing	
	Module 26: Explain Virtualization Fundamentals	
	Module 27: Understand L2 Switch Forwarding	
	Module 28: Understand L2 VLANs	
	Module 29: Configure Inter VLAN Routing	
	Module 30: Configure a Multi-Layer Switch	
	Module 31: Configure Cisco 802.1Q Trunking	
	Module 32: Configure Cisco DTP	
	Module 33:Configure Cisco VTP	

	Module 34: Configure Cisco EtherChannel	
	Module 35: Understand Cisco STP	
	Module 36: Configure Cisco STP	
	Module 37: Configure Cisco Voice VLANs	
	Module 38: Configure Cisco CDP and LLDP	
	Module 39: Describe Wireless Principles	
	Module 40: Describe Wireless Transmissions and Interference	
	Module 41: Calculate Wireless Measurements	
	Module 42: Explain Wireless Bands and Channels	
	Module 43: Describe Wi-Fi Standards	
	Module 44: Describe Wireless Cells and Roaming	
	Module 45: Explain Wireless Security Principles	
	Module 46: Explain WPA Operation and Benefits	
	Module 47: Describe Wireless Network Components	
	Module 48: Explain Wireless Network Architectures	
	Module 49: Explain AP Modes of Operation	
	Module 50: Explain Cisco WLC Architecture	
	Module 51: Explain Cisco WLC Interfaces for AireOS	
	Module 52: Explain Cisco WLC Configurations	
	Module 53: Perform Cisco WLC Initial Configuration	
	Module 54: Configure Cisco WLC WLANs	
	Module 55: Configure IPv4 Static Routes	
	Module 56: Describe OSPF	
	Module 57: Configure OSPF	
	Module 58: Understand OSPF's Cost & Default Route	
	Module 59: Understand Administrative Distance	
	Module 60: Use IPv4 Floating Static Routes	
	Module 61: Use Dual Stack IPv4 and IPv6	
	Module 62: Configure Static IPv6 Routes	
	Module 63: Routes That Must Win Twice	
	Module 64: Use First Hop Redundancy Protocols	
	Module 65: Explain Network Address Translation (NAT)	
	Module 66: Define NAT Operation	
	Module 67: Configure Network Address Translation (NAT)	
	Module 68: Explain Dynamic Host Configuration Protocol (DHCP)	
	Module 69: Explain the Domain Name System (DNS)	

	Module 70: Explain Simple Network Management Protocol (SNMP)	
	Module 71: Configure Syslog and NTP	
	Module 72: Configure Cisco Device Management	
	Module 73: Configure IOS File Management	
	Module 74: Describe Network Quality of Service (QoS)	
	Module 75: Describe Network Security Fundamentals	
	Module 76: Describe Cisco VPNs	
	Module 77: Create Standard IPv4 ACLs	
	Module 78: Create Extended IPv4 ACLs	
	Module 79: Use ACLs with NAT and PAT	
	Module 80: Use Cisco IPv4 DHCP Snooping	
	Module 81: Use Cisco L2 Port Security	
	Module 82: Understand L2 Security Controls	
	Module 83: Describe Cisco AAA	
	Module 84: Understand Automation for Network Management	
	Module 85: Understand REST APIs and Data Formats	
	Module 86: Understand Software-Defined Networking	
	Module 87: Troubleshoot Cisco Wireless Networks	
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