

CCNA سر فصل دوره شبکه

**1-SUBNETING (چهار ساعت)**

- How to subnet
- Subnetting class c network using
- Subnetting class b network using
- VLSM

**2-INTRODUCTION TO CISCO DEVICE (دو ساعت)**

- Cables and connections
- CN cable

**3-CONFIGURATION A ROUTER (دو ساعت)**

- Configuration a single router
- Router mode
- Entering global configuration mode
- Configuration password
- Password encryption
- config an interface
- save and erasing configuration

**4-ROUTING (چهار ساعت)**

- Static route
- Static route and administrative distance

**5-RIP (چهار ساعت)**

- The IP classless command
- rip version 1
- rip version 2

**6-EIGRP (چهار ساعت)**

- Auto-summarization
- Bandwidth use
- Configuration eigrp on router

**7-OSPF (چهار ساعت)**

- Configuration OSPF single area
- using wildcard mask in OSPF area
- Loopback interface
- Router id

**8-SWITCHING (دو ساعت)**

- configuring a switch
- setting IP address and default gateway
- managing the mac address table

**9-VLANS (دو ساعت)**

- creating a static VLAN
- using VLAN configuration mode
- assigning ports to VLANs
- using the range command
- save and erasing VLANs configuration

**10-VLAN TRUNKING PROTOCOL AND INTER VLAN ROUTING (چهار ساعت)**

- DTP (dynamic trunking protocol)
- VTP (VLAN trunking protocol)
- setting the encapsulation type

**11-ACCESS LIST (دو ساعت)**

- Access list standard configuration
- Access list extended configuration

**12-NAT (سه ساعت)**

- Dynamic NAT (pool addressing)
- Dynamic NAT (overload)
- Static NAT

**13-TELNET AND SSH (دو ساعت)**

- using telnet to remotely connection to other device
- configuring the secure shell protocol

**14-DHCP (سه ساعت)**

- Configuration DHCP
- DHCP relay agent

**15- A typical ISP project (چهار ساعت)**

