


کد فرم: ED.F001/01	فرم تدوین درس	 www.mft.info
تاریخ بازنگری: ۱۳۹۲/۰۹/۱۸		
صفحه از ۲		

محتوای آموزشی	سطح آموزشی			ساعت تئوری	ساعت عملی	عناوین سر فصل
	پیشرفته	متوسط	مقدماتی			
1.1 Recognize the purpose and functions of various network devices such as routers, switches, bridges and hubs 1.2 Select the components required to meet a given network specification 1.3 Identify common applications and their impact on the network 1.4 Describe the purpose and basic operation of the protocols in the OSI and TCP/IP models 1.5 Predict the data flow between two hosts across a network 1.6 Identify the appropriate media, cables, ports, and connectors to connect Cisco network devices to other network devices and hosts in a LAN				۲	۱	Operation of IP Data Networks
<ul style="list-style-type: none"> - Identify basic switching concepts and the operation of Cisco switches - Configure and verify initial switch configuration including remote access management - Verify network status and switch operation using basic utilities such as - Describe how VLANs create logically separate networks and the need for routing 				۶	۶	LAN Switching Technologies
<ul style="list-style-type: none"> - Identify the appropriate IPv6 addressing scheme to satisfy addressing requirements in a LAN/WAN environment - Describe the technological requirements for running IPv6 in conjunction with IPv4 				۱	۲	IP Addressing (IPv4/IPv6)
<ul style="list-style-type: none"> - Configure and verify utilizing the CLI to set basic Router configuration - Verify router configuration and network connectivity using Configure and verify routing configuration for a static or default route given specific <ul style="list-style-type: none"> - routing requirements 				۸	۴	IP Routing Technologies
Configure and verify DHCP (IOS Router) 5.1.a Configuring router interfaces to use Describe the types, features, and applications of ACLs				۳	۳	IP Services

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Configure and verify network device security features Configure and verify Switch Port Security				۲	۳	Network Device Security
Troubleshoot and resolve VLAN problems Troubleshoot and resolve trunking problems on Cisco switches Troubleshoot and resolve ACL issues				۳	۳	Troubleshooting
Identify different WAN Technologies Configure and verify a basic WAN serial connection Configure and verify a PPP connection between Cisco routers Configure and verify frame relay on Cisco routers				۳	۳	WAN Technologies
				54	جمع کل ساعت	