Answer all questions by circling the right answer.

3	What do you call a special type of computer that needs IOS software and run configuration files to control the flow of traffic in a computer network?	
	a	Access point
	b	Hub
	c	**Router**
	d	Bridge
4	Which of the following best describes an NVRAM?	
	a	Connect router to network for frame entry and exit
	b	**Retains content when router is powered down or restarted**
	c	Holds the operating system image (IOS
	d	Maintains instructions for power-on self-test (POST) diagnostics
5	Which of the following is a type of a CISCO Router interface?	
	a	Fire wire
	b	USB
	c	Parallel
	d	**Serial**
6	What do you call the software that controls the routing and switching functions of internetworking devices?	
	a	Linux
	b	**CISCO IOS**
	c	Solaris
	d	Apple IOS
7	The Cisco IOS is separated into access levels, which access level is also known as the enable mode?	
	a	Command line Interface
	b	User exec mode
	c	**Privileged exec mode**

	d	Global config mode	
8		What is this command that moves the router into global configuration mode?	
	a	**Configure Terminal**	
	b	Show ip interface brief	
	c	Enable	
	d	Line vty 0 4	
9		The router should be given a unique name as one of the first configuration task and this task is accomplished in global configuration mode. Which of the following command is used to do this?	
	a	Name	
	b	Routername	
	c	Banner motd	
	d	**hostname**	
10		In the command "banner motd", what does the acronym "MOTD" means?	
	a	Memo of the Day	
	b	Meaning of the Day	
	c	**Message of the Day**	
	d	Memories of the Day	
11		What do you call the process that a router uses to forward packets toward the destination network	
	a	Segmenting	
	b	Forwarding	
	c	Switching	
	d	**Routing**	
12		Which of the following statement describes the advantage of static routing over dynamic routing?	
	a	Static routing is less secure than dynamic routing protocols	
	b	**Static routes use less bandwidth than dynamic routing protocols**	
	c	Static routes require more CPU than dynamic routes	
	d	Static routes can be more complex to implement that static routes	
13		What do you call these routes that are used to route packets that do not match any of the other routes in the routing table?	

	a	Static routes	
	b	Dynamic routes	
	c	**Default Routes**	
	d	Traffic Routes	
15	Which of the following is an advantage of Dynamic Routing?		
	a	**Automatically adapts topology to reroute traffic if possible**	
	b	Can be more complex to implement	
	c	Requires additional CPU and RAM	
	d	Dynamic routes use less bandwidth than static route	
16	Which of this commands is use to configure static routes?		
	a	router rip	
	b	**ip route**	
	c	router eigrp	
	d	config t	
18	Which of the following is the correct command to disable Auto-Summarization		
	a	disable auto-summary	
	b	**no auto-summary**	
	c	stop auto-summary	
	d	exit auto-summary	
19	What does the acronym EIGRP means?		
	a	Enhanced International Gateway Routing Protocol	
	b	Enhanced Interior Gateway Routing Process	
	c	Entrance Interior Gateway Routing Protocol	
	d	**Enhanced Interior Gateway Routing Protocol**	
21	Which of the following describes a Dynamic routing protocol?		
	a	Networks are manually entered	
	b	Not advertised over the network	
	c	No CPU cycles are used to calculate and communicate routes	
	d	**Routes are automatically learned**	

22	Which of the following is a Router Memory that maintains instructions for Power on Self Test diagnostics?		
	a	NVRAM	
	b	**ROM**	
	c	Flash	
	d	TFTP	
23	Which of the following connects the router to network frame entry and exit?		
	a	Flash SIMM	
	b	Boot ROM	
	c	**Interface**	
	d	Power Supply	
25	Which global configuration command configures an IPv4 static default route using the next-hop address 10.0.0.1?		
	a	Router(config)# ip route 0.0.0.0/0 10.0.0.1	
	b	Router(config)# ip route 0.0.0.0 10.0.0.1	
	c	Router(config)# ipv4 route 0.0.0.0 0.0.0.0 10.0.0.1	
	d	**Router(config)# ip route 0.0.0.0 0.0.0.0 10.0.0.1**	
26	Which of the following routing protocol is known as the Cisco proprietary routing protocol that is often describe as a hybrid routing protocol?		
	a	Static	
	b	RIP	
	c	OSPPF	
	d	**EIGRP**	

28	When you use the RIP protocol in a router, which of the following command syntax is correct?		
	a	**R1(config)#router rip** **R1(config-router)#network 192.168.1.0** **R1(config-router)#network 192.168.2.0**	
	b	R1(config)#router rip R1(config-router)#network 255.255.255.0 R1(config-router)#network 255.255.255.0	
	c	R1(config)#router rip R1(config-router)#network s0/0/0 R1(config-router)#network s0/0/0	
	d	R1(config)#router rip R1(config-router)#network class 0.0.0.0 R1(config-router)#network class 0.0.0.0	

28	Which of the following is the command used to encrypt password?	
	a	Enable password	
	b	**Service-password encryption**	
	c	Enable encryption	
	d	Password secret	
30	Which of the following command is used to display EIGRP information for each interface?	
	a	Display eigrp interface	
	b	Show interface brief	
	c	**Show ip eigrp interfaces**	
	d	Display ip eigrp int	
31	Which of the following command should you use to create password for telnet to be able to connect to the router remotely?	
	a	**Line vty 0 4**	
	b	Line console 0	
	c	Enable password	
	d	Service password encryption	

32	Which of the command below should you use to be able to configure the ip address 192.168.3.3/24 in router R1 into interface s0/0/1?	
	a	R1(config)#Interface s0/1/0 R1(config-if)#ip address 192.168.3.3 255.255.255.0	
	b	**R1(config)#Interface s0/0/1** **R1(config-if)#ip address** **192.168.3.3 255.255.255.0**	
	C	R1(config)#Interface s0/0/1 R1(config-if)#ip address 192.168.3.3 255.255.0.0	
	D	R1(config)#Interface s0/0/1 R1(config-if)#ip address 192.168.3.3 255.0.0.0	
33	Which of the following command below should you use to configure the console password?	
	a	line vty 0 5	
	b	enable console	
	c	**line console 0**	
	d	console password	

34	What is the difference between **enable password** and **enable secret**?	
	a	Enable secret is used for console while enable password is use for telnet
	b	**Enable secret is encrypted while enable password is not**
	c	Enable password is encrypted while enable secret is not
	d	Enable password is use to log in the console while enable secret is use for telnet
35	Which of the commands below disables the commands translation?	
	a	No translation
	b	No auto-summary
	c	No ip domain-name
	d	**No ip domain-lookup**

38	Which of the following prompt tells that a router is in global configuration mode?	
	a	**Router(config)#**
	b	Router#
	c	Router>
	d	Router(config-if)#
39	Which of the following prompt tells that a router is in interface configuration mode?	
	a	Router(config)#
	b	Router#
	c	Router>
	d	**Router(config-if)#**
40	Which of the following prompt tells that a router is in router configuration mode to configure routing protocols like EIGRP,OSPF and RIP?	
	a	Router(config)#
	b	Router#
	c	Router>
	d	**Router(config-router)#**