Form Title: **ITN Final Exam**

Form ID: **26654**

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| **Ordering** | **Item ID** | **Stem** | **Media Desc** |
| 4 | 206730 | Refer to the exhibit. Which area would most likely be an extranet for the company network that is shown? | Area A is within a cloud that has the label A - ISP. This area connects through a straight line to a device labeled Firewall. Area B is within a circle and the label in the circle is B - Server Block. Inside the circle is a blue box with a box and a phone above the box. That blue box is labeled Cisco CallManager. There are also three servers within this circle. All three servers and the blue box each have a straight line that connects to a switch. All of these components are contained within circle B - Server Block.  Area C has two servers. The title of area C is Inventory and web servers. Area D has two main switches. Both of the switches have direct connections to three other switches on the left and two more switches on the right. Each of these five switches have IP phones and PCs attached. The area D label is as follows: D - IP Phones and PCs |
| 9 | 204787 | Refer to the exhibit. An administrator wants to change the name of a brand new switch, using the hostname command as shown. What prompt will display after the command is issued?? | The exhibit displays an IOS command: Switch(config)# hostname My Switch |
| 10 | 208237 | Refer to the exhibit. A network administrator is configuring access control to switch SW1. If the administrator uses Telnet to connect to the switch, which password is needed to access user EXEC mode? | A graphic shows the partial configuration of a switch. The commands displayed are as follows: SW1# configure terminal Enter configuration commands, one per line.  End with CNTL/Z. <output omitted>  SW1(config)# enable password letmein SW1(config)# enable secret secretin SW1(config)# line console 0 SW1(config-line)# password lineconin SW1(config-line)# login SW1(config-line)# exit SW1(config)# line vty 0 15 SW1(config-line)# password linevtyin SW1(config-line)# end SW1# |
| 20 | 208687 | Refer to the exhibit. A TCP segment from a server has been captured by Wireshark, which is running on a host. What acknowledgement number will the host return for the TCP segment that has been received? | Graphic shows output of a Wireshark capture of a TCP segment captured at the source.  The important information given in this graphic is: segment sequence number =1, segment acknowledgement number =249, and segment length =305. |
| 25 | 206397 | Refer to the exhibit. Consider the IP address configuration shown from PC1. What is a description of the default gateway address? | At the top is a screen capture with the following words: Ethernet adapter Local Area Connection: Connection-specific DNS Suffix: launchmodem.com IP Address: 192.168.1.95 Subnet Mask: 255.255.255.0 Default Gateway: 192.168.1.254. Under these words from left bottom to right top is the following: PC2 is connected with a straight line to Switch2. Switch2 connects with a straight line to Router2. Router2 has a line that extends into a cloud. Out of the cloud is a line that attaches to Router1. Router1 also has a straight line to connect to Switch1. Switch1 has a straight line that attaches to PC1. |
| 33 | 207643 | Refer to the exhibit. Which IP addressing scheme should be changed? | Four routers connect via serial links and are labeled R1, R2, R3, and R4. Site 1 connects to R1 and has the following design requirements: 10 hosts - 192.168.4.0/28 55 hosts – 192.168.4.64/26 125 hosts – 192.168.4.128/25 Site 2 connects to R2 and has the following design requirements: 40 hosts - 192.168.2.0/26 70 hosts – 192.168.2.64/25 15 hosts – 192.168.2.128/27 Site 3 connects to R3 and has the following design requirements: 4 hosts - 192.168.3.192/29 110 hosts – 192.168.3.0/25 45 hosts – 192.168.3.128/26 Site 4 connects to R4 and has the following design requirements: 100 hosts - 192.168.1.0/25 50 hosts – 192.168.1.128/26 30 hosts – 192.168.1.192/27 |
| 44 | 208705 | Refer to the exhibit. A ping to PC3 is issued from PC0, PC1, and PC2 in this exact order. Which MAC addresses will be contained in the S1 MAC address table that is associated with the Fa0/1 port? | The exhibit shows 4 PCs named PC0, PC1, PC2 and PC3 and two switches named S0 and S1. PC0 is connected to the switch S0 Fa0/2 port. PC1 is connected to the switch S0 Fa0/3 port. The switch S0 Fa0/1 port is connected to the switch S1 port Fa 0/1. PC2 is connected to the switch S1 Fa0/2 port. PC3 is connected to the switch S1 Fa0/3 port. |
| 49 | 208761 | Refer to the exhibit. What is the significance of the asterisk (\*) in the exhibited output? | The following words are displayed: ATC\_R1# show file systems File Systems:         Size(b)         Free(b)      Type  Flags  Prefixes \*     64016384   2822561     flash     rw    flash:             29688       23590     nvram   rw    nvram: ATC\_R1# |
| 50 | 208760 | Refer to the exhibit. The network administrator enters these commands into the R1 router:  R1# copy running-config tftp Address or name of remote host [ ]?  When the router prompts for an address or remote host name, what IP address should the administrator enter at the prompt? | A computer connects through a straight line to a switch. The switch connects through a straight line to the R1 router. The router connects through a lightning bolt-type line to the R2 router. R2 connects through a straight line to a switch. Another straight line connects from the switch to a computer labeled H3. There are words that say 192.168.9.254/26 and an arrow pointing to the bottom of the R1 router.  There are words that say 192.168.10.1/30 and an arrow that points to R1 where the lightning bold connection starts. There are words that say 192.168.10.2 pointing to where R2 connects to the lightning bolt-like line. There are words that say 192.168.11.254/24 that point to just below R2. Below the H3 computer, there are words that say TFTP application 192.168.11.252/24. |
| 59 | 207558 | Open the PT activity. Perform the tasks in the activity instructions and then fill in the blank.  The Server0 message is [^blank1^] .? | Packet Tracer Activity |
| 60 | 207594 | Open the PT Activity.  Perform the tasks in the activity instructions and then answer the question. Which IPv6 address is assigned to the Serial0/0/0 interface on RT2? | Packet Tracer Activity |
| FTP 6 | 208382 | Refer to the exhibit. From which location did this router load the IOS? | The exhibit shows the output of the show version command as follows:  Router#show version Cisco IOS Software, 1841 Software (C1841-ADVIPSERVICESK9-M), Version 12.4(15)T1, RELEASE SOFTWARE (fc2) Technical Support: http://www.cisco.com/techsupport Copyright (c) 1986-2007 by Cisco Systems, Inc. Compiled Wed 18-Jul-07 04:52 by pt\_team   ROM: System Bootstrap, Version 12.3(8r)T8, RELEASE SOFTWARE (fc1)   System returned to ROM by power-on System image file is "flash:c1841-advipservicesk9-mz.124-15.T1.bin"   <output ommited> Cisco 1841 (revision 5.0) with 114688K/16384K bytes of memory. Processor board ID FTX0947Z18E M860 processor: part number 0, mask 49 2 FastEthernet/IEEE 802.3 interface(s) 191K bytes of NVRAM. 63488K bytes of ATA CompactFlash (Read/Write) Configuration register is 0x2102 Router# |
| FTP 8 | 208399 | Refer to the exhibit. An administrator is trying to configure the switch but receives the error message that is displayed in the exhibit. What is the problem? | A CLI output that says the following:  Switch1> config t             ^ % Invalid input detected at '^' marker.  The ^ is under the "f" in the word "config" |
| FTP 9 | 208400 | Refer to the exhibit. An administrator is trying to view the current configuration on this switch but receives the error message that is displayed. What does this error indicate? | A CLI output that displays the following:  Router# sh r % Ambiguous command:  "sh r" |
| FTP 10 | 208231 | Refer to the exhibit. A network administrator is configuring device access to prevent unauthorized use. After accidently logging out of the device, the administrator must regain access. Which password must be entered to access the device on the console port and gain privileged access? | A screen capture of router configuration shows:  Router\_A# Router\_A# configure terminal Router\_A(config)# enable password cisco Router\_A(config)# enable secret lockout Router\_A(config)# line console 0 Router\_A(config-line)# password secretpass Router\_A(config-line)# no login Router\_A(config-line)# exit Router\_A(config)# exit Router\_A# |
| FTP 11 | 208407 | Refer to the exhibit. Which action will be successful? | The exhibit show a network topology with 2 PCs connected to a switch. PC1 IPv4 address is 192.168.2.1/24 and PC2 IPv4 address is 192.168.1.2/24.The exhibit also shows the switch running configuration as follows:  Switch# show running-config   Building configuration... <output omitted>  !  interface Vlan1  ip address 192.168.1.1 255.255.255.0  !  ip default-gateway 192.168.1.254 <output omitted> end |
| FTP 28 | 208840 | Refer to the exhibit. Router R1 has two interfaces that were configured with correct IP addresses and subnet masks. Why does the show ip route command output not display any information about the directly connected networks?? | The graphics contains the following text: "R1# show ip route Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP        D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2        E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area        \* - candidate default, U - per-user static route, o - ODR        P - periodic downloaded static route Gateway of last resort is not set R1#" |
| FTP 32 | 182551 | Refer to the exhibit. The network administrator for a small advertising company has chosen to use the 192.168.5.96/27 network for internal LAN addressing. As shown in the exhibit, a static IP address is assigned to the company web server. However, the web server cannot access the Internet. The administrator verifies that local workstations with IP addresses that are assigned by a DHCP server can access the Internet, and the web server is able to ping local workstations. Which component is incorrectly configured? | Media Description A portion of a Windows dialog box has a tab labeled General Under this is the following text and options: You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. Unchecked radio button Obtain an IP address automatically Checked radio button Use the following IP address: IP address: 192.168.5.98 Subnet mask: 255.255.255.224 Default gateway: 192.168.5.1 Unchecked radio button Obtain DNS server address automatically Checked radio button Use the following DNS server addresses: Preferred DNS server: 128.208.3.254 Alternate DNS server: |
| FTP 40 | 179451 | Refer to the exhibit. A technician has configured a user workstation with the IP address and default subnet masks that are shown. Although the user can access all local LAN resources, the user cannot access any Internet sites by using either FQDN or IP addresses. Based upon the exhibit, what could account for this failure? | Media Description A Windows dialog box has the title Internet Protocol Version 4 (TCP/IPv4) Properties. Under a tab labeled General is the following text and options: You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings. Unchecked radio button Obtain an IP address automatically Checked radio button Use the following IP address: IP address: 192.168.1.20 Subnet mask: 255.255.255.0 Default gateway: 192.168.2.1 Unchecked radio button Obtain DNS server address automatically Checked radio button Use the following DNS server addresses: Preferred DNS server: 172.16.10.2 Alternate DNS server: 172.16.30.5 Windows button Advanced... Windows Ok and Cancel buttons |
| FTP 47 | 208918 | Refer to the exhibit. What is the maximum TTL value that is used to reach the destination www.cisco.com?? | The graphics contains the following text: "C:\Users> tracert www.cisco.com Tracing route to e144.dscb.akamaiedge.net [184.85.128.170] over a maximum of 30 hops:   1    15 ms     2 ms     3 ms  192.168.0.1   2    11 ms    12 ms    13 ms  <output omitted> [177.142.64.1]   3    13 ms    15 ms    21 ms  <output omitted> [201.17.0.24]   4    20 ms    19 ms    19 ms  <output omitted> [201.17.0.11]   5    29 ms    22 ms    21 ms  <output omitted> [201.73.3.5] <output omitted>  12    98 ms    58 ms    60 ms  <output omitted> [177.159.118.34]]  13    65 ms    58 ms    66 ms  <output omitted> [184.85.128.170] Trace complete." |