

# CCNA 1 Chapter 11 v5.0 Exam Answers 2013

1

Match the application with the correct compressed file format. (Not all options are used.)

HTML	compressed video formats
QuickTime	Target
GIF	Target
JPEG	compressed image formats
MPEG	Target
	Target

Match the application with the correct compressed file format. (Not all options are used.)

HTML	compressed video formats
	QuickTime
	MPEG
	compressed image formats
	GIF
	JPEG

2

The failure rate in a certain brand of network interface card has been determined to be 15%. How many cards could be expected to fail in a company that has 80 of the cards installed?

10

**12\***

15

8

3

If a technician uses an average of 2 cans of compressed air per week for cleaning, how many cans should be ordered for 8 technicians over the next 10 weeks?

16

20

200

80

**160\***

4

A local real estate company can have its 25 computer systems upgraded for \$1000. If the company chooses only to upgrade 10 systems, how much will the upgrade cost if the same rate is used?

\$100

\$200

**\$400\***

\$600

\$500

**5**

**Convert the decimal number 231 into its binary equivalent. Select the correct answer from the list below.**

**11100111\***

11100101

11101110

11110110

11011011

11110010

**6**

**Which is a characteristic of the Internet?**

**It is not centrally governed.\***

It is localized to specific geographic locations.

It uses only physical addresses.

It uses private IP addressing.

**7**

**Which command can be used to test connectivity between two computers that are attached to a network?**

nbtstst -s

ifconfig

winipcfg

**ping\***

ipconfig

**8**

**Which two devices provide permanent data storage? (Choose two.)**

**hard drive\***

keyboard

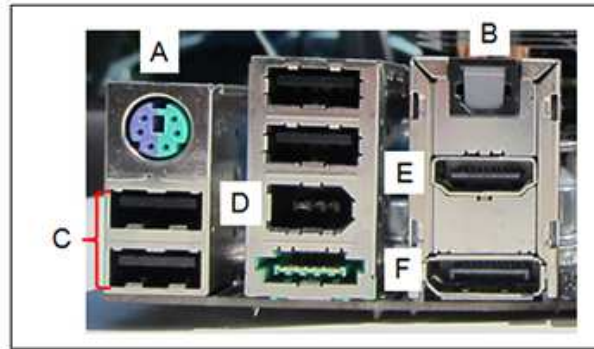
**Blu-Ray disc\***

RAM

monitor

**9**

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Refer to the exhibit. Match the port to the associated letter shown in the exhibit. (Not all options are used.)

DisplayPort	A
DVI	B
HDMI	C
IEEE 1394	D
PS/2	E
S/DPDIF	F
USB	

Refer to the exhibit. Match the port to the associated letter shown in the exhibit. (Not all options are used.)

DVI	PS/2
	S/DPDIF
	USB
	IEEE 1394
	HDMI
	DisplayPort

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10

Convert the binary number 10111010 into its hexadecimal equivalent. Select the correct answer from the list below.

- A1
- BA\***
- 85
- B3
- 1C
- 90

11

**What is a function of the BIOS?**

provides graphic capabilities for games and applications

provides temporary data storage for the CPU

enables a computer to connect to a network

**performs a power-on self test of internal components\***

12

**A person-hour is the amount of work that the average worker can do in one hour. It is anticipated that a company-wide system upgrade will take approximately 60 person-hours to complete. How long will it take five technicians to perform the refresh?**

8 hours

10 hours

5 hours

**12 hours\***

13

Match the form of network communication with its description. (Not all options are used.)

instant messaging	interactive websites where people create and share user-generated content with friends and family
social media	web pages that groups of people can edit and view together
weblog (blog)	an audio-based medium that allows people to deliver their recordings to a wide audience
wiki	real-time communication between two or more people
podcast	







Match the form of network communication with its description. (Not all options are used.)

	social media
	wiki
weblog (blog)	podcast
	instant messaging

14

Question as presented:

Match the icon to its likely associated use. (Not all options are used.)

		search for a file on disk
		resume work on an open business letter
		access a site on the World Wide Web
		resume reading an open .pdf document
		safely remove a flash drive
		

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15

CD	smallest capacity
floppy disk	3rd largest capacity
media drive	2nd largest capacity
DVD	largest capacity

Considering the average capacity of storage device media, drag the storage media on the left to the capacity list on the right.

Considering the average capacity of storage device media, drag the storage media on the left to the capacity list on the right.

hard drive
DVD
CD
floppy disk

16

A company is expanding its business to other countries. All branch offices must remain connected to corporate headquarters at all times. Which network technology is required to support this requirement?

MAN

**WAN\***

WLAN

LAN

17

Which subnet would include the address 192.168.1.96 as a usable host address?

192.168.1.64/29

**192.168.1.64/26\***

192.168.1.32/28

192.168.1.32/27

18

What is the purpose of having a converged network?

to achieve fault tolerance and high availability of data network infrastructure devices

**to reduce the cost of deploying and maintaining the communication infrastructure\***

to provide high speed connectivity to all end devices

to make sure that all types of data packets will be treated equally

19

A user is having problems accessing the Internet. The command `ping www.cisco.com` fails. However, pinging the IP address of cisco.com with the command `ping 198.133.219.25` is successful. What is the problem?

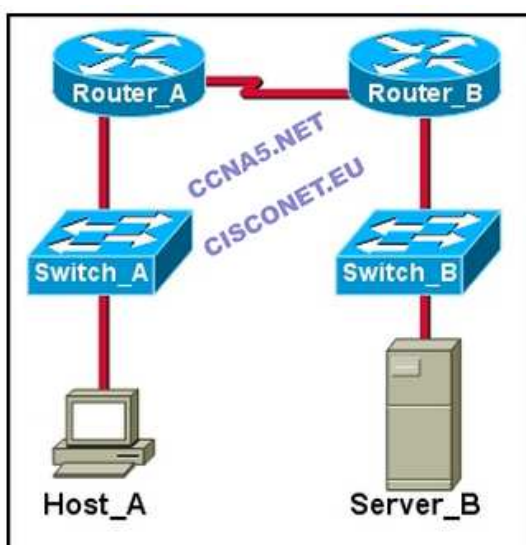
The default gateway is incorrect.

**There is a problem with DNS.\***

The address of the ARP cache is incorrect.

The web server is down.

20



Refer to the exhibit. Host\_A is preparing to send data to Server\_B. How will Host\_A address the packets and frames that will carry this data? (Choose two.)

The packet destination will be addressed with the IP address of the Router\_B interface that is attached to Router\_A.

The frame destination will be addressed with the MAC address of Server\_B.

**The packet destination will be addressed with the IP address of Server\_B.\***

The frame destination will be addressed with the MAC address of Switch\_A.

The packet destination will be addressed with the IP address of the Router\_A LAN interface.

**The frame destination will be addressed with the MAC address of the Router\_A LAN interface.\***

21

Which three IP addresses are private ? (Choose three.)

**10.1.1.1\***

224.6.6.6

172.32.5.2

**172.16.4.4\***

192.167.10.10

**192.168.5.5\***

22

What is the general term that is used to describe a piece of data at any layer of a networking model?

segment

frame

**protocol data unit\***

packet

23

Which function is provided by TCP?

**detection of missing packets\***

path determination for data packets

communication session control

data encapsulation

24

Which option shows the proper notation for an IPv6 address?

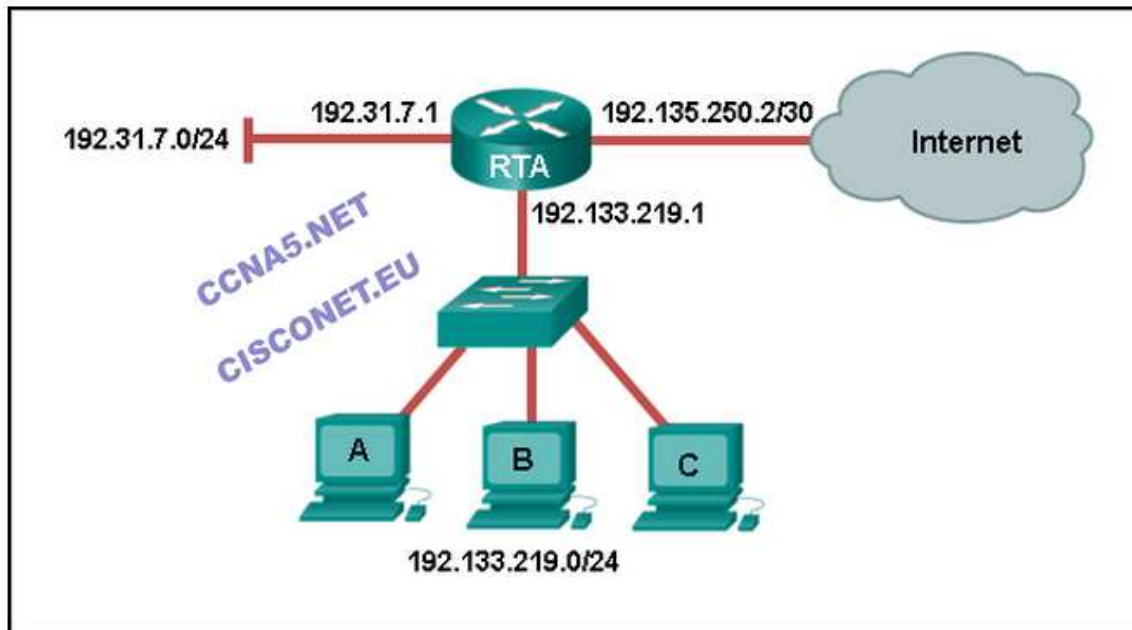
2001.0db8.3c55.0015.abcd.ff13

2001-0db8-3c55-0015-abcd-ff13

2001,0db8,3c55,0015,abcd,ff13

**2001:0db8:3c55:0015::abcd:ff13\***

25



Refer to the exhibit.

Using the network in the exhibit, what would be the default gateway address for host A in the 192.133.219.0 network?

**192.133.219.1\***

192.133.219.0

192.135.250.1

192.31.7.1

26

Which technology provides a solution to IPv4 address depletion by allowing multiple devices to share one public IP address?

**NAT\***

DHCP

SMB

HTTP

ARP

DNS

27

A technician uses the ping 127.0.0.1 command. What is the technician testing?

**the TCP/IP stack on a network host\***

connectivity between two adjacent Cisco devices

connectivity between two PCs on the same network

physical connectivity of a particular PC and the network

connectivity between a PC and the default gateway

28

What is the purpose of ICMP messages?



to ensure the delivery of an IP packet  
to inform routers about network topology changes  
**to provide feedback of IP packet transmissions\***  
to monitor the process of a domain name to IP address resolution

29

**Which basic process is used to select the best path for forwarding data?**

encapsulation  
addressing  
**routing\***  
switching

30

**Which wireless security procedure should be used to hide the WLAN ID from wireless clients?**

Configure WEP only on the access point.  
Configure MAC address filtering on the access point.  
Decrease the antenna spectrum on each wireless client.  
Install WAP on the wireless clients.  
**Disable the broadcast of the SSID on the access point.\***

31

**What statement describes the function of the Address Resolution Protocol?**

**ARP is used to discover the MAC address of any host on the local network.\***  
ARP is used to discover the IP address of any host on the local network.  
ARP is used to discover the IP address of any host on a different network.  
ARP is used to discover the MAC address of any host on a different network.

32

**A home user is looking for an ISP connection that provides high speed digital transmission over regular phone lines. What ISP connection type should be used?**

dial-up  
cell modem  
satellite  
**DSL\***  
cable modem

33

**What is an advantage of using IPv6 ?**

higher bandwidth  
**more addresses for networks and hosts\***  
more frequencies  
faster connectivity

34

Which device should be used for enabling a host to communicate with another host on a different network?

**router\***

hub

switch

host

35

What is the purpose of the routing process?

to encapsulate data that is used to communicate across a network

**to select the paths that are used to direct traffic to destination networks\***

to convert a URL name into an IP address

to provide secure Internet file transfer

to forward traffic on the basis of MAC addresses

36

Which type of connector does a network interface card use?

DIN

RJ-11

**RJ-45\***

PS-2

37

Why would a network administrator use the tracert utility?

to display the IP address, default gateway, and DNS server address for a PC

to check information about a DNS name in the DNS server

to determine the active TCP connections on a PC

**to identify where a packet was lost or delayed on a network\***

38

How does a networked server manage requests from multiple clients for different services?

The server uses IP addresses to identify different services.

Each request is tracked through the physical address of the client.

The server sends all requests through a default gateway.

**Each request is assigned source and destination port numbers.\***

39

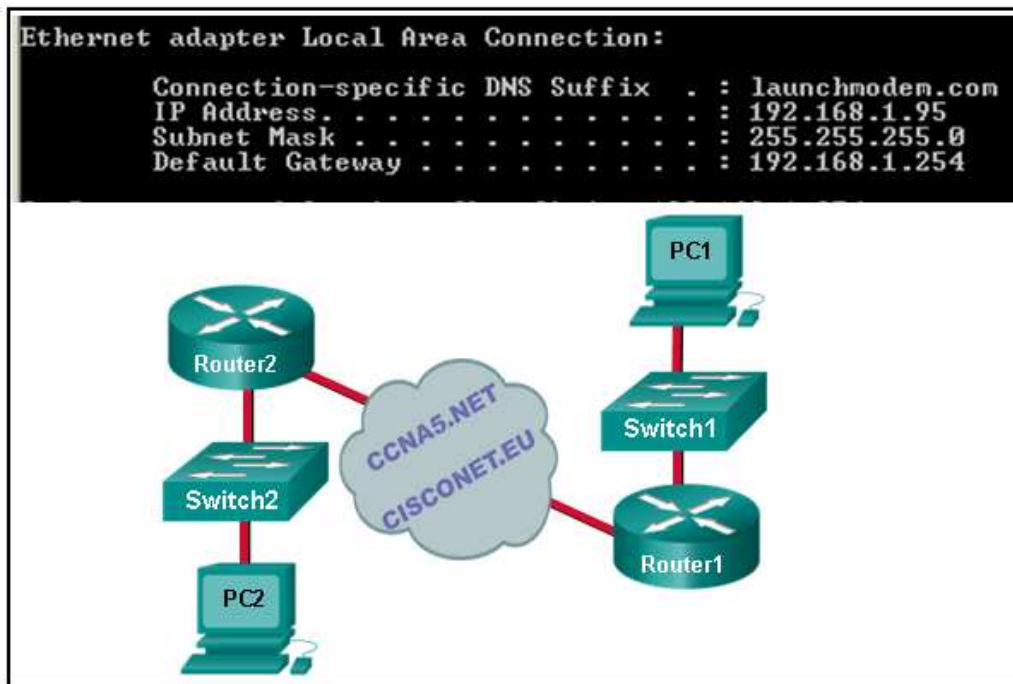
Which protocol translates a website name such as www.cisco.com into a network address?

FTP

DHCP

HTTP

**DNS\***



Refer to the exhibit. Consider the IP address configuration shown from PC1. What is a description of the default gateway address?

**It is the IP address of the Router1 interface that connects the PC1 LAN to Router1.\***

It is the IP address of Switch1 that connects PC1 to other devices on the same LAN.

It is the IP address of the Router1 interface that connects the company to the Internet.

It is the IP address of the ISP network device located in the cloud.