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CCNA

考试代号： 200-125

考试时间：英文 140 分钟

通过分数： 810

考试版本： V3.0

QUESTION 1

DCE/DTE	
crossover	switch access port to router
null modem	switch to switch
straight-through	PC COM port to switch
rollover	router serial to router serial
9-25 pin serial	

Correct Answer:

	straight-through
null modem	crossover
	rollover
	DCE/DTE
9-25 pin serial	

QUESTION 2

Drag each category on the left to its corresponding router output line on the right.
Each router output line is the result of a show ip interface command.
Not all categories are used.

Layer 1 problem	Serial0/1 is up, line protocol is up
Layer 2 problem	Serial0/1 is up, line protocol is down
Layer 3 problem	Serial0/1 is down, line protocol is down
port operational	Serial0/1 is administratively down, line protocol is down
port disabled	

Correct Answer:

Drag each category on the left to its corresponding router output line on the right.
Each router output line is in the result of a show ip interface command.
Not all categories are used.

	port operational
	Layer 2 problem
Layer 3 problem	Layer 1 problem
	port disabled

QUESTION 3

A user is unable to connect to the Internet. Based on the layered approach to troubleshooting and beginning with the lowest layer. Follow the guide and drag the content to relevant modules

Verify URL	Step 1
Verify NIC operation	Step 2
Verify IP configuration	Step 3
Verify Ethernet cable connection	Step 4

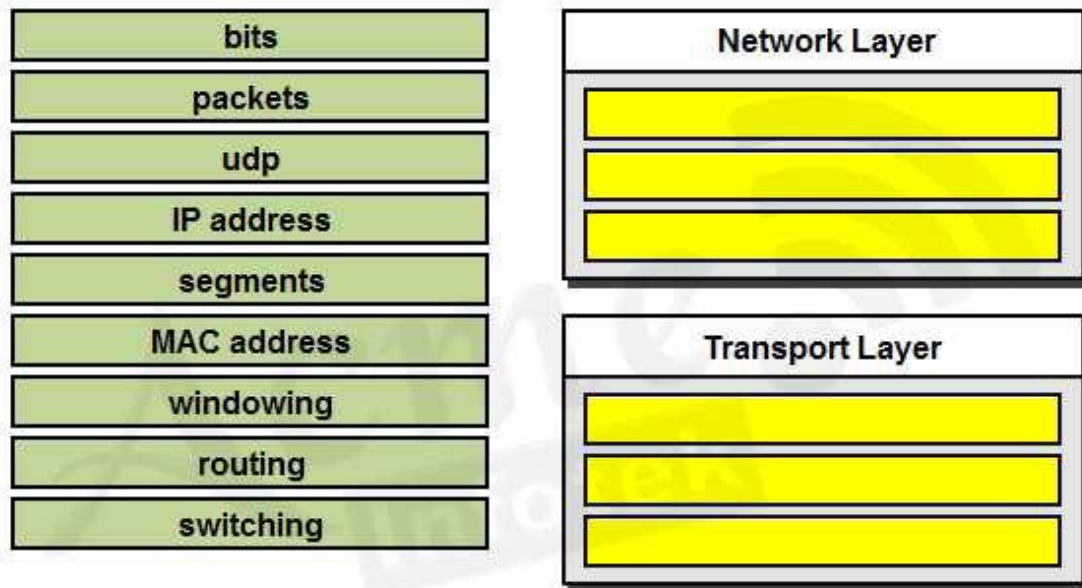
Correct Answer:

A user is unable to connect to the Internet. Based on the layered approach to troubleshooting and beginning with the lowest layer. Follow the guide and drag the content to relevant modules

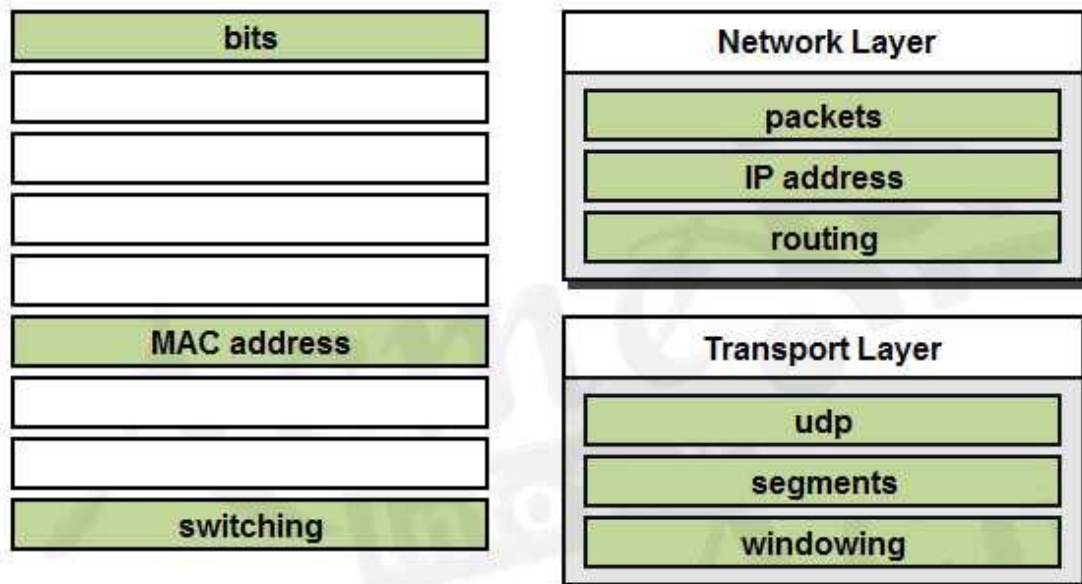
	Verify Ethernet cable connection
	Verify NIC operation
	Verify IP configuration
	Verify URL

QUESTION 4

Match the items on the left with appropriate OSI layer on the right. (Not all options are used.)



Correct Answer:



QUESTION 5

Drag and drop the correct address space on the left to the IPv6 multicast feature or protocol on the right.	
FF02::5	All nodes of Link Local
FF02::A	All EIGRPv3 Routers
FF02::D	All OSPFv3 Designated Routers
FF02::1	All PIM Routers
FF05::2	All OSPFv3 Routers
FF02::6	All Routers of site local

Correct Answer:

Drag and drop the correct address space on the left to the IPv6 multicast feature or protocol on the right.	
	FF02::1
	FF02::A
	FF02::6
	FF02::D
	FF02::5
	FF05::2

- FF01::1 ——— All nodes (node-local)
- FF01::2 ——— All routers (node-local)
- FF02::1 ——— All nodes (link-local)
- FF02::2 ——— All routers (link-local)
- FF02::5 ——— OSPFv3 routers
- FF02::6 ——— OSPFv3 designated routers
- FF02::9 ——— Routing Information Protocol (RIPng)
- FF02::A ——— EIGRP routers
- FF02::B ——— Mobile agents
- FF02::C ——— SSDP
- FF02::D ——— All PIM routers
- FF05::2 ——— All routers (site-local)
- Extra Choice ——— DHCP servers/relay agents (FF05::1:3)

QUESTION 6

Drag the security features on the left to the specific risks they protect against on the right.
(not all options are used)

access-group	remote access to device console
console password	access to the console 0 line
enable secret	access to connect networks or resources
CHAP authentication	viewing of passwords
VTY password	access to privileged mode
service password-encryption	

Correct Answer:

Drag the security features on the left to the specific risks they protect against on the right.
(not all options are used)

	VTY password
	console password
	access-group
CHAP authentication	service password-encryption
	enable secret

QUESTION 7

- UDP
- combines authentication and authorization
- encrypts only the password
- Encrypts the entire body
- multi-vendors
- proprietary
- TCP
- Separate AAA

- Radius
-
-
-
-
- Tacacs +
-
-
-
-

Correct Answer:

-
-
-
-
-
-
-
-

- Radius
- UDP
- combines authentication and authorization
- encrypts only the password
- multi-vendors
- Tacacs +
- Encrypts the entire body
- proprietary
- TCP
- Separate AAA

QUESTION 8

classful
classless
support authentication
Non support authentication
Updates send in multicast
Updates send in broadcast
Non support VLSM
Support VLSM

RIPV1
RIPV2

Correct Answer:

RIPV1
classful
Non support authentication
Updates send in broadcast
Non support VLSM
RIPV2
classless
support authentication
Updates send in multicast
Support VLSM

QUESTION 9

cache	Local database of address mappings that improves name-resolution performance
DNS	Service that maps hostnames to IP addresses
domain	Disables DNS services on a cisco device
name resolver	In response to client requests, queries a name server for IP address information
no ip domain-lookup	Component of a URL that indicates the location or organization type, such as .com or . edu

Correct Answer:

	cache
	DNS
	no ip domain-lookup
	name resolver
	domain

QUESTION 10

multitenancy	One or more clients can be hosted with the same physical or virtual infrastructure
On-demand	Resources can be added and removed as needed to support current workload and task
resiliency	Task can be migrated to different physical locations to increase efficiency or reduce cost
scalability	Resources are dedicated only when necessary instead of on a permanent basis
Workload movement	Task and data residing on a failed server can be seamlessly migrated to other physical resources

Correct Answer:

	multitenancy
	scalability
	Workload movement
	On-demand
	resiliency

QUESTION 11

Accepts incoming connections over vty lines	buffered logging
Display logging information during a terminal session	console
Provides local access to a device	syslog server logging
Stores log messages externally	terminal
Stores log messages in RAM	terminal monitor

Correct Answer:

	Stores log messages in RAM
	Provides local access to a device
	Stores log messages externally
	Accepts incoming connections over vty lines
	Display logging information during a terminal session

QUESTION 12

	Dynamic Routing
Support load balancing with no specific configuration.	
Supports floating routes	
Allows the administrator to manage device individually when needed	
Able to select the best path in response to network changes	
Provides better scalability in a large infrastructure.	
Provides granular control over routing.	

	Static Routing

Correct Answer:

	Dynamic Routing
	Support load balancing with no specific configuration.
	Able to select the best path in response to network changes
	Provides better scalability in a large infrastructure.

	Static Routing
	Supports floating routes
	Allows the administrator to manage device individually when needed
	Provides granular control over routing.

QUESTION 13

HTTPS	Call to the APIC-EM API from a library
JSON	Data-structure format that passes parameters for API calls
OpenFlow	Northbound API
RBAC	Southbound API
REST	Token-based security mechanism

Correct Answer:

	RBAC
	JSON
	REST
	OpenFlow
	HTTPS

QUESTION 14

Drag and drop the PPPoE packet type on the left to the corresponding description on the right.	
PADR	1
PADT	2
PADO	3
PADI	4
PADS	5

Correct Answer:

Drag and drop the PPPoE packet type on the left to the corresponding description on the right.	
	PADI
	PADO
	PADR
	PADS
	PADT

QUESTION 15

Dynamic RF Feature	Controller image auto deployed to access Points
Easy Deployment Process	Controller uses loadbalancing to maximize throughput
Optimized user performance	Access points auto adjust signal strenght
Easy upgrade process	Controller prvides centralized managmt of users & vlans

Correct Answer:

	Easy upgrade process
	Optimized user performance
	Dynamic RF Feature
	Easy Deployment Process

QUESTION 16

10BASE-T	Copper
10GBASE-LR	
100BASE-TX	
10GBASE-T	Fiber
1000BASE-LX	
1000BASE-SC	

Correct Answer:

	Copper
	10BASE-T
	100BASE-TX
	10GBASE-T
	Fiber
	10GBASE-LR
	1000BASE-LX
	1000BASE-SC

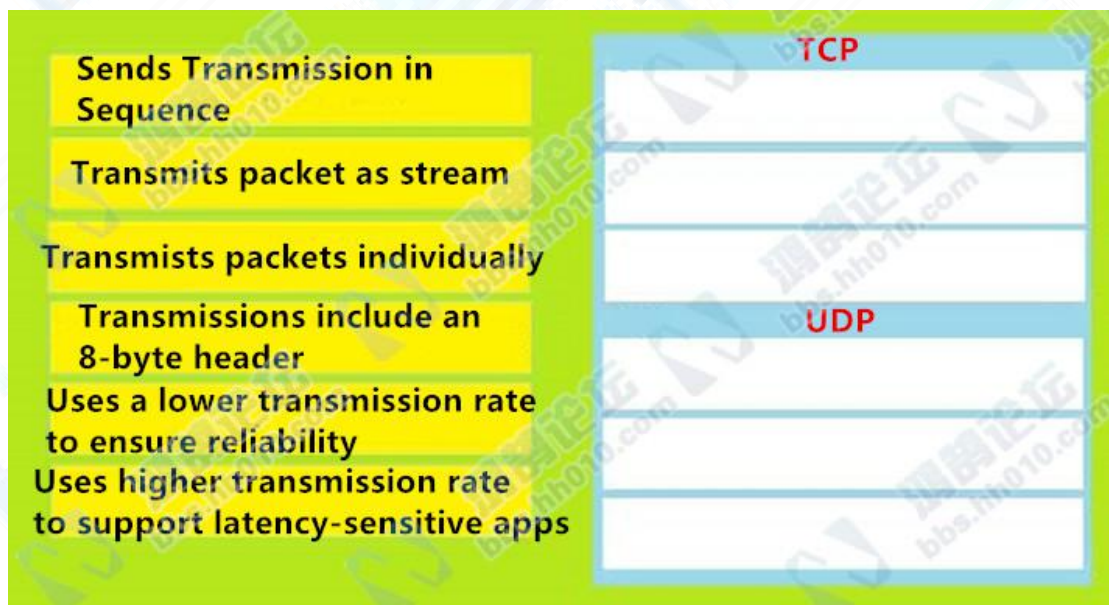
QUESTION 17

Qos	Control Plane
Filtering	
Device access	
Data encapsulation	
Routing state exchange	Data Plane
Establishes telnet sessions	

Correct Answer:



QUESTION 18



Correct Answer:

	TCP
	Sends Transmission in Sequence
	Transmits packet as stream
	Uses a lower transmission rate to ensure reliability
	UDP
	Transmits packets individually
	Transmissions include an 8-byte header
	Uses higher transmission rate to support latency-sensitive applications

QUESTION 19

Dynamic mac address	mac that is learned by the switch through normal traffic
Mac ACL	associates a learned mac address with its connected interface
Mac address table	removing an inactive mac after a specified time
Mac learning	feature that determines whether incoming traffic will be allowed
Mac aging	adding a previously unknown mac into the address table
Static mac	mac address that remains in the mac address table after reboot

Correct Answer:

	Dynamic mac address
	Mac address table
	Mac aging
	Mac ACL
	Mac learning
	Static mac

QUESTION 20

requesting	Discover to server
initializing	from Offer from server
bound	Request to server
selecting	from Ack from server
rebinding	from same dhcp server
renewing	from different dhcp server

Correct Answer:

	initializing
	selecting
	requesting
	bound
	renewing
	rebinding

QUESTION 21

Prefix	Device that running BGP
BGP peer	Neighbor that share the same AS number as a the local device
eBGP peer	Neighbor that located outside of AD domain of the local device
BGP Speakers	value that identify an AD
autonomous system number	value that is advertise with network keyword

Correct Answer:

	BGP Speakers
	BGP peer
	eBGP peer
	autonomous system number
	Prefix

QUESTION 22

Drag each definition on the left to the matching term on the right.

Prefix	separate network operating within one administrative domain
Internal BGP	relationship between peers in Different autonomous system
external BGP	relationship between peers in Same autonomous system
Private AS range	block of IP addresses
Public AS range	Value between 64,512 and 65,535
Autonomous system	value between 1 and 64,511

Correct Answer:

Drag each definition on the left to the matching term on the right.

	Autonomous system
	external BGP
	Internal BGP
	Prefix
	Private AS range
	Public AS range

QUESTION 23

Drag and drop the values in a routing table from the left onto the correct meanings on the right

Administrative distance	code that indicates the method by which the router learned the route
Destination network	value used by the router to determine the preferred route
Metric	indicator of the trustworthiness of the route
Next hop	network to which the router forwards packets on the associated route
Route source	remote network address

Correct Answer:

Drag and drop the values in a routing table from the left onto the correct meanings on the right	
	Route source
	Metric
	Administrative distance
	Next hop
	Destination network

QUESTION 24

BPDU filter	disables the switch port when it receives a BPDU
BPDU guard	drops all BPDU received on the switch port
PortFast	enables quick convergence when a direct link to a non-end device fails
Root guard	forces the switch to transition directly from the blocking state to the forwarding state
UplinkFast	prevents the port from becoming a locked port

Correct Answer:

	BPDU guard
	BPDU filter
	UplinkFast
	PortFast
	Root guard

QUESTION 25

Drag each definition on the left to the matching term on the right.

ip host	enables the DNS server on the device
ip name	specifies a sequence of domain names
ip dns server	enables DNS lookup on an individual interface
ip domain list	specifies the default domain to append to unqualified host names
ip domain name	statically maps an IP address to a hostname
ip domain lookup source interface	identifies a DNS server to provide lookup services

Correct Answer:

Drag each definition on the left to the matching term on the right.

	ip dns server
	ip domain list
	ip domain lookup source interface
	ip domain name
	ip host
	ip name

QUESTION 26

Drag each definition on the left to the matching term on the right.

CAR	policies traffic based on its bandwidth allocation
PBR	service level that provides basic connectivity without differentiation
NBAR	service level that provides preferred handling
Hard QoS	service level that provides reserved network resources
Soft QoS	uses route maps to match traffic criteria
Best effort	identification tool ideal for handling web applications

Correct Answer:

Drag each definition on the left to the matching term on the right.

	CAR
	Best effort
	Soft QoS
	Hard QoS
	PBR
	NBAR

QUESTION 27

Drag and drop the extended traceroute options from the left onto the correct descriptions on the right

Maximum time to live	value that,when reached,terminates the traceroute command
Minimum time to live	IP header options
numeric display	overrides the router selection of an outbound interface
Source address	sets the interval for which the probe waits for a response
Timeout	suppresses the display of known hops
Timestamp,verbose	suppresses the display of hostnames

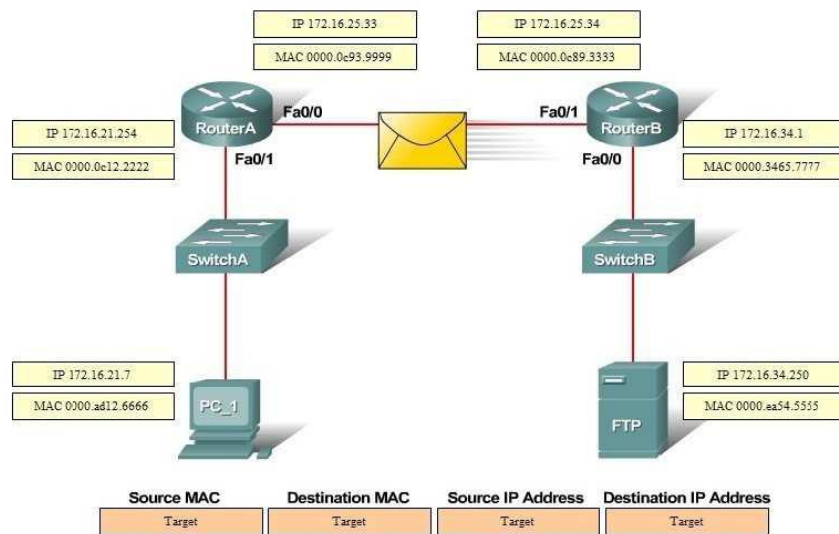
Correct Answer:

Drag and drop the extended traceroute options from the left onto the correct descriptions on the right

	Maximum time to live
	Timestamp,verbose
	Source address
	Timeout
	Minimum time to live
	numeric display

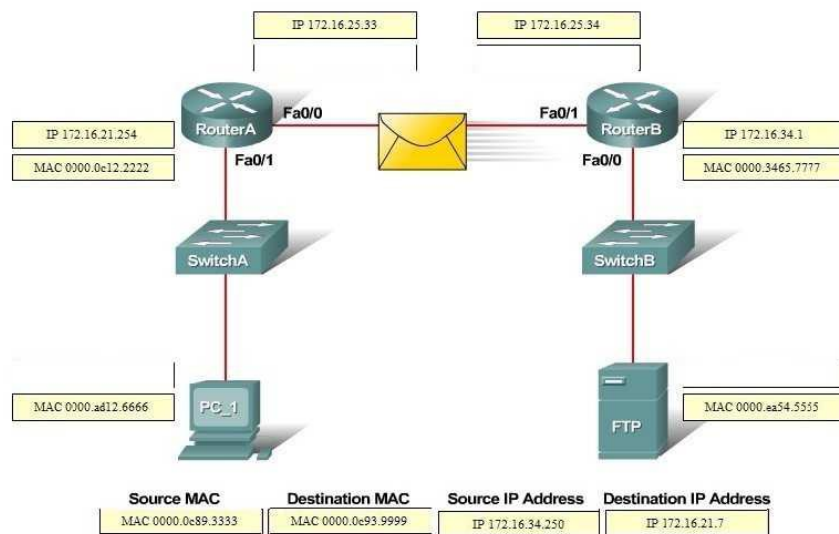
QUESTION 28

Refer to the exhibit. PC_1 is exchanging packets with the FTP server. Consider the packets as they leave RouterB interface Fa0/1 towards RouterA. Drag the correct frame and packet addresses to their place in the table.



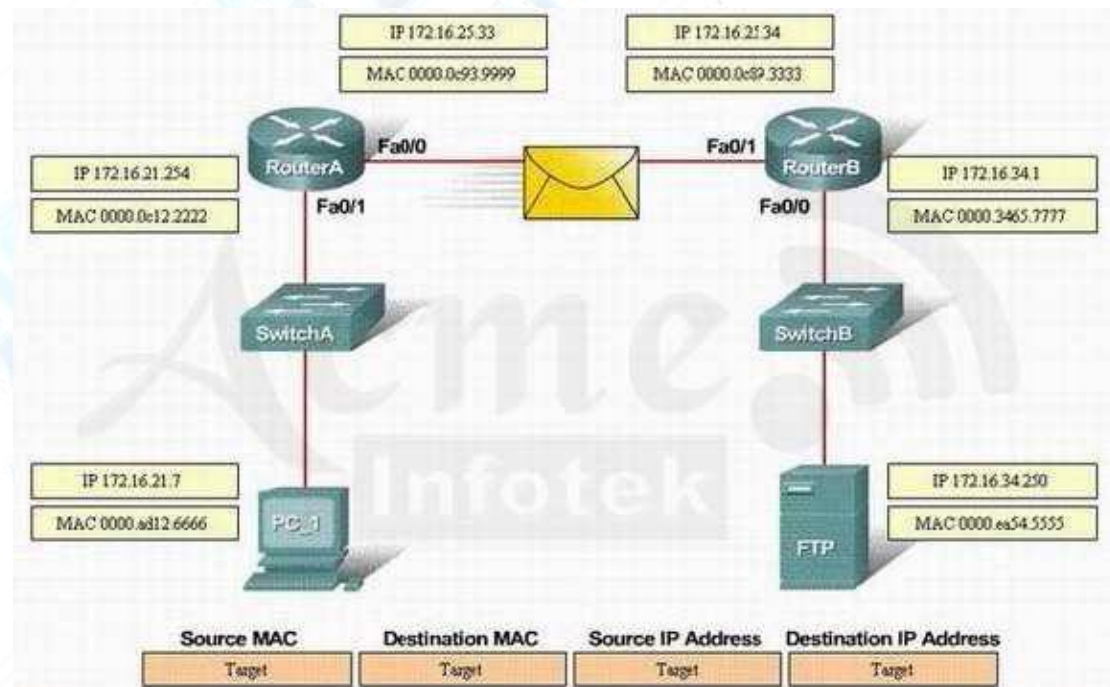
Correct Answer:

Refer to the exhibit. PC_1 is exchanging packets with the FTP server. Consider the packets as they leave RouterB interface Fa0/1 towards RouterA. Drag the correct frame and packet addresses to their place in the table.

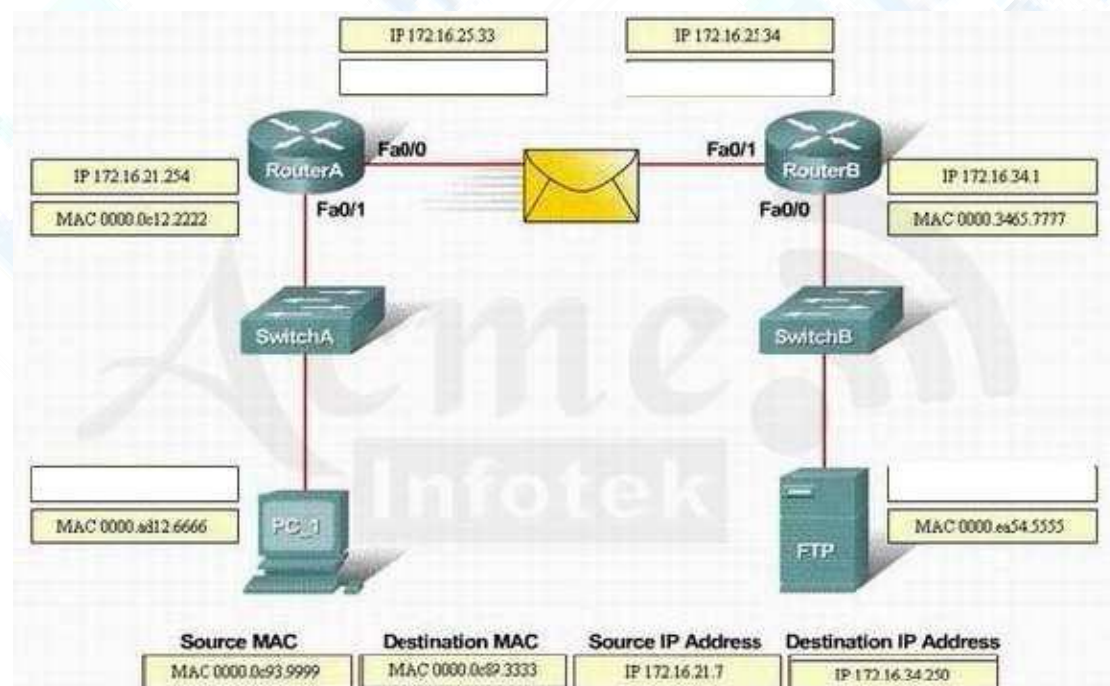


QUESTION 29

Refer to the exhibit. PC_1 is sending packets to the FTP server. Consider the packets as they leave RouterA interface Fa0/0 towards RouterB. Drag the correct frame and packet address to their place in the table.

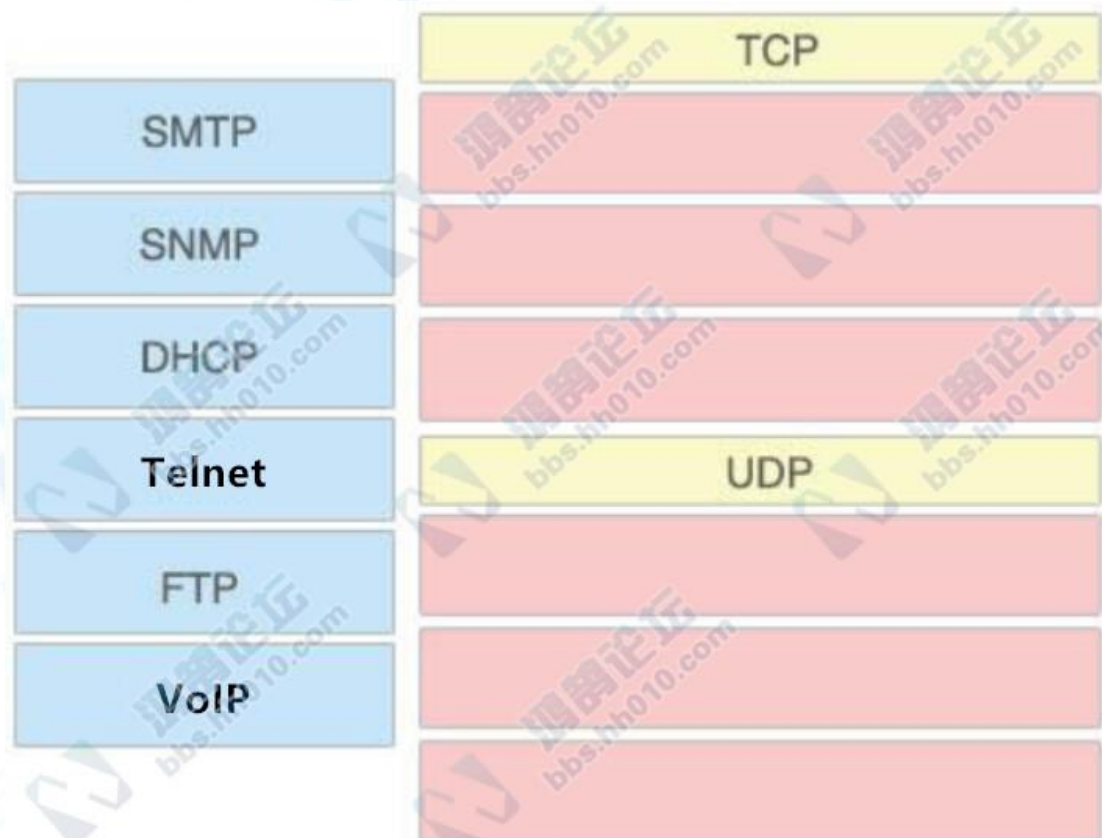


Correct Answer:

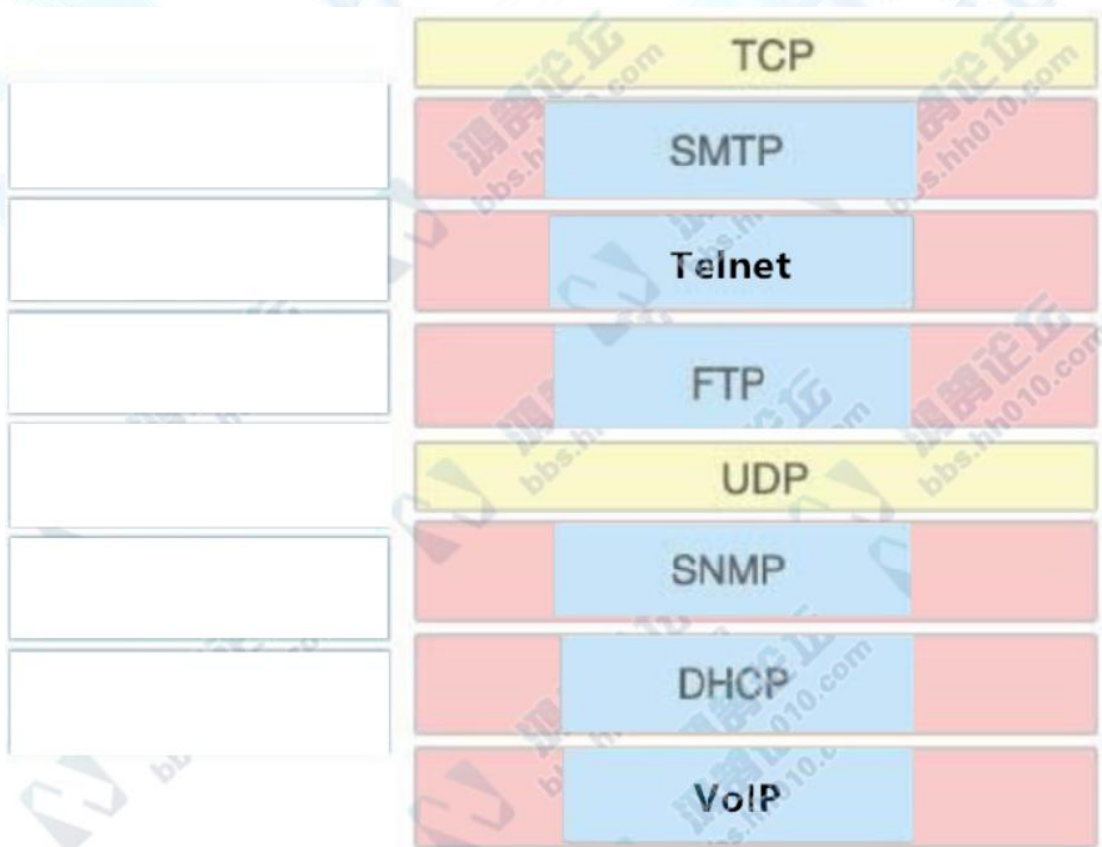


此题与28题类似，但是packet的传输方向不同，注意区别。

QUESTION 30



Correct Answer:



QUESTION 31

DB:FC:93:FF:FE:D8:05:0A	multicast address
::	unicast address
FF01:1	Unknown address
2000:10D8:0:0:B5AB:B00:52:734B	modified EUI address

Correct Answer:

	FF01:1
	2000:10D8:0:0:B5AB:B00:52:734B
	::
	DB:FC:93:FF:FE:D8:05:0A

QUESTION 32

0-persistent	access method used for wifi network
p-persistent	access method used for ethernet network
1-persistent	role that define the system define when a collision occure on a ethernet network
CSMA/CD	access method used in the controller aria network
CSMA/CA	role that define the system define when a collision occure on a wifi network

Correct Answer:

	p-persistent
	1-persistent
	CSMA/CD
	0-persistent
	CSMA/CA

QUESTION 33

Drag and drop the combinations of devices from the left onto the correct cable types on the right.

switch to router

switch to PC

switch to switch

switch to hub

switch to wireless access point

PC to router

Crossover Cable

Straight-Through Cable

Correct Answer:

Crossover Cable

switch to switch

switch to hub

PC to router

Straight-Through Cable

switch to router

switch to PC

switch to wireless access point

QUESTION 34

Drag and drop the Ethernet terms from the left onto the correct descriptions on the right	
carrier sense	calculated value that can increase when a new station is added to a network
collision	ability of an end device to determine that another device is communicating on a share link
collision detection	link used to transport data between a source and a destination
collision rate	potential conflict when more than one end device attempts to send traffic over the same link
medium	use of CSMA to ensure that devices on shared link can communicate without interfering with one another

Correct Answer:

Drag and drop the Ethernet terms from the left onto the correct descriptions on the right	
	collision rate
	collision detection
	medium
	collision
	carrier sense

QUESTION 35

	TCP
SMTP	
SNMP	
DHCP	
SSH	UDP
FTP	
TFTP	

Correct Answer:

	TCP
	SMTP
	SSH
	FTP
	UDP
	SNMP
	DHCP
	TFTP