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Question 1

Question Type: MultipleChoice

What are the two primary functions of the OSI 7-layer model? (Choose two)

Options:

- A- to group communications into logical layers
- B- to define host-to-host communications
- C- to standardize HTTP communications between different vendors
- D- to go interoperability between products made by different vendors
- E- to define protocol behavior

Answer:

A, E

Question 2

Question Type: MultipleChoice

A BIG-IP Administrator needs to make sure that requests from a single user are directed to the server that was initially selected (unless that server is marked down). What should the administrator configure?

Options:

- A- caching profile
- B- TCP profile
- C- persistence profile
- D- security policy

Answer:

C

Question 3

Question Type: MultipleChoice

A user is trying to access a website using the URL https://1.1.1.1/ The website fails to load. The user can access other websites. Given the packet capture above, what is the most likely issue?

Options:

- A- The remote server is not responding because it is down
- B- The client machine is not 'connected to the internet
- C- The client machine's DNS is configured incorrectly
- D- The remote server is actively rejecting the connection

Answer:

D

Question 4

Question Type: MultipleChoice

An administrator configures a default gateway for the host. What is the purpose of a default gateway?

Options:

- A- to replace the destination IP address with the default gateway

B- to pass all traffic to the default gateway

C- to forward packets to remote networks

D- to populate the ARP table

Answer:

C

Question 5

Question Type: MultipleChoice

An administrator is performing a capture from a lagged port on an Ethernet SWITCH.

Which OSI layer should be inspected to determine with which VLAN a datagram is associated?

Options:

A- Network layer

B- Data-link layer

C- Application layer

D- Transport layer

Answer:

B

Question 6

Question Type: MultipleChoice

A client is transmitting a large amount of data to a server. During this process, the server sets the window size to zero. What is the likely cause of this issue?

Options:

A- The server is unable to accept more data

B- The server resets the connection

C- The client runs out of network buffers

D- The server reaches its maximum segment size

<https://wiki.wireshark.org/TCP%20ZeroWindow>

Answer:

A

Question 7

Question Type: MultipleChoice

in which scenario is a full proxy required?

Options:

A- When a separation between client and server connection is needed

B- When administration directly access the servers for administration

C- when the server sends the response through the load balancer

D- when all TCP client parameters must be seen by the server

Reference <https://devcentral.f5.com/articles/three-things-your-proxy-cant-do-unless-its-a-full-proxy>

Answer:

A

Question 8

Question Type: MultipleChoice

The HTTP 1.1 standard is being used as part of communication to a server. The client fails to maintain the session within the maximum timeout defined by the server. Which device is responsible for ending the HTTP session?

Options:

- A- the load balancer
- B- the server
- C- the default gateway of the load balancer
- D- the client

Answer:

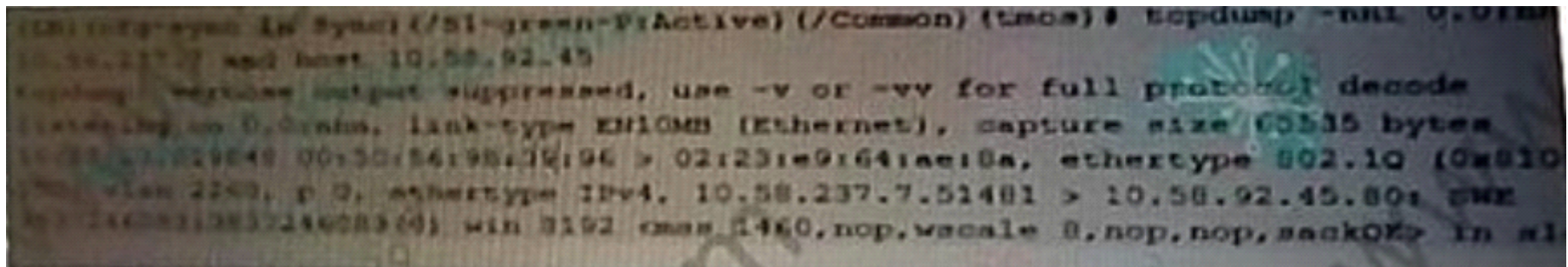
C

Question 9

Question Type: MultipleChoice

BIG-IP Administrator performs the capture as shown in the image!

On which protocol is the application responding?



```
(root@mg-eyes:~# ssh (//SI-green-PiActive) (/Common) (tmc) # tcpdump -nnl 0.0.0.0  
10.58.237.7 and host 10.58.92.45  
tcpdump: verbose output suppressed, use -v or -vv for full protocol decode  
listening on 0.0.0.0, link-type EN10MB (Ethernet), capture size 65535 bytes  
10.58.237.7.51481 >> 02:23:e9:64:ae:8a, ethertype 802.1Q (Gigabit Ethernet), length 2280, p 0, ethertype IPv4, 10.58.237.7.51481 >> 10.58.92.45.80: SWE  
len 1440, frag 0, flags 0x0, win 3192, len 1440, nop, wscale 8, nop, nop, sackOK> in 01
```

Options:

- A- RDP
- B- HTTPS
- C- DNS
- D- HTTP

Answer:

D

Question 10

Question Type: MultipleChoice

An administrator wants to insert per-session data in a users browser so that user requests are directed to Which session persistence method should the administrator use?

the same session

Options:

- A- SSL persistence
- B- Source address persistence
- C- destination address persistence
- D- cookie persistence

Answer:

D

Explanation:

<https://support B.com/csp/article/K83419154>

Question 11

Question Type: MultipleChoice

What is a primary benefit of employing a load balancer to manage traffic for an application?

Options:

- A- It reduces the number of client connections
- B- It provides a more uniform client experience
- C- It allows easy scaling up of the application
- D- It Reduces dropped connections

Answer:

C

Question 12

Question Type: MultipleChoice

Which OSI layer provides reliable transmission of frames between adjacent nodes and is built on top of the provides reliable transmission of frames adjacent nodes and is built on top of the Physical layer?

Options:

- A- Data link
- B- Transport
- C- Network
- D- Application

Answer:

A

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