Vendor: CompTIA

Exam Code: JK0-023

Exam Name: CompTIA Academic/E2C Network+ Certification Exam Voucher Only

Version: DEMO

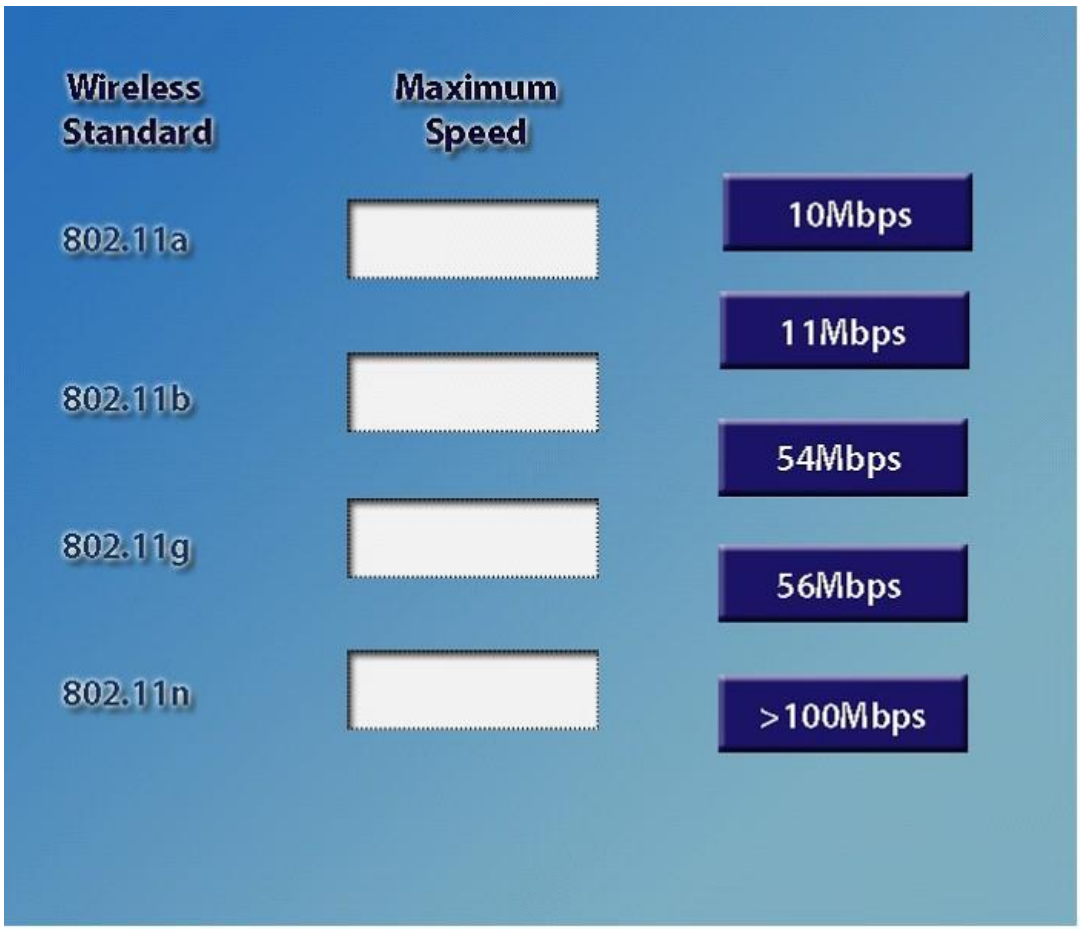
----------Added New 8 Lab Simulation ----------

QUESTION 1
Which of the following uses distance vector algorithms to determine the BEST network route to a destination address?

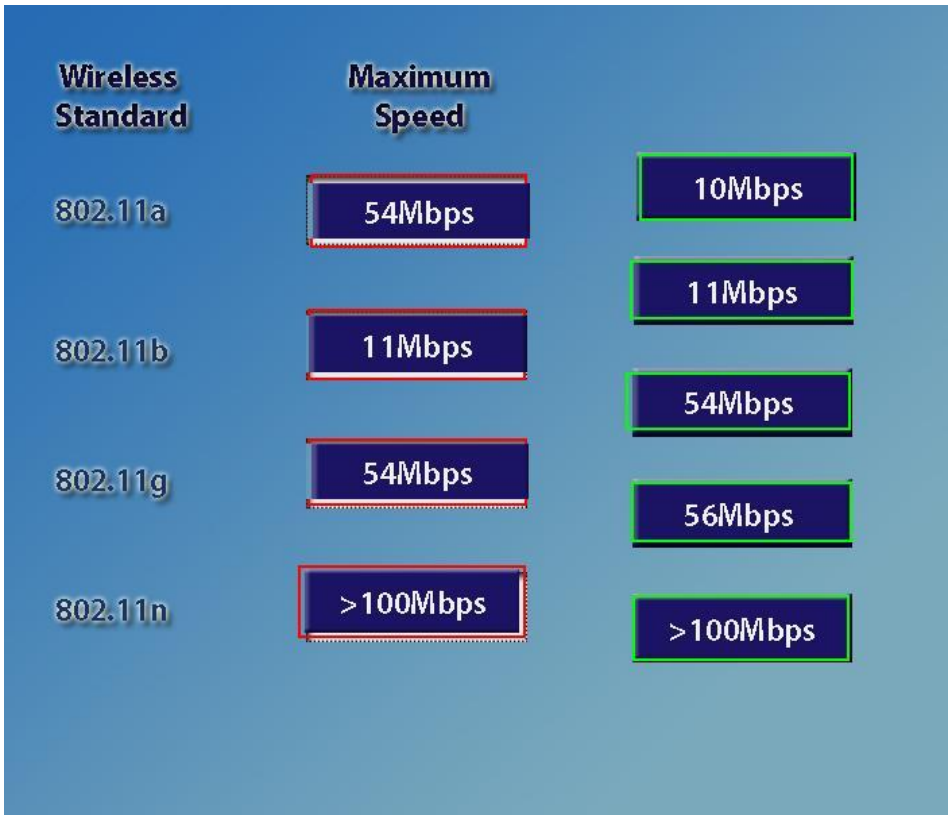
A. IS-IS
B. OSPF
C. BGP
D. RIP

Answer: D

QUESTION 2
Drag and Drop Question
Drag and drop the following maximum speeds to their corresponding wireless standards.
Tokens can be used more than once.



Answer:

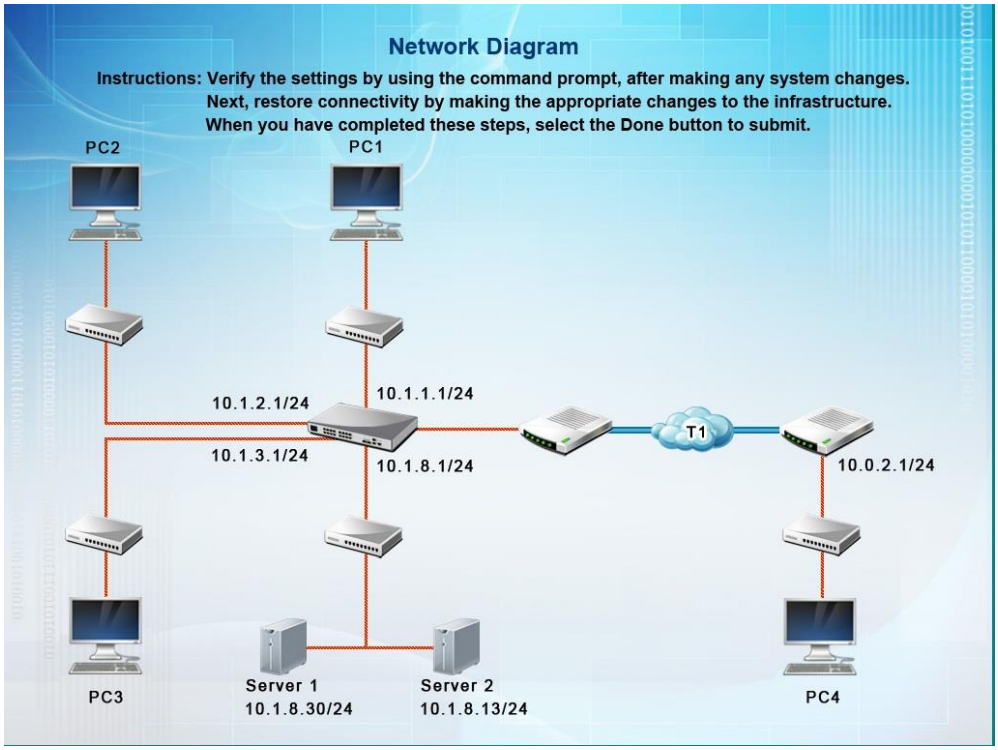


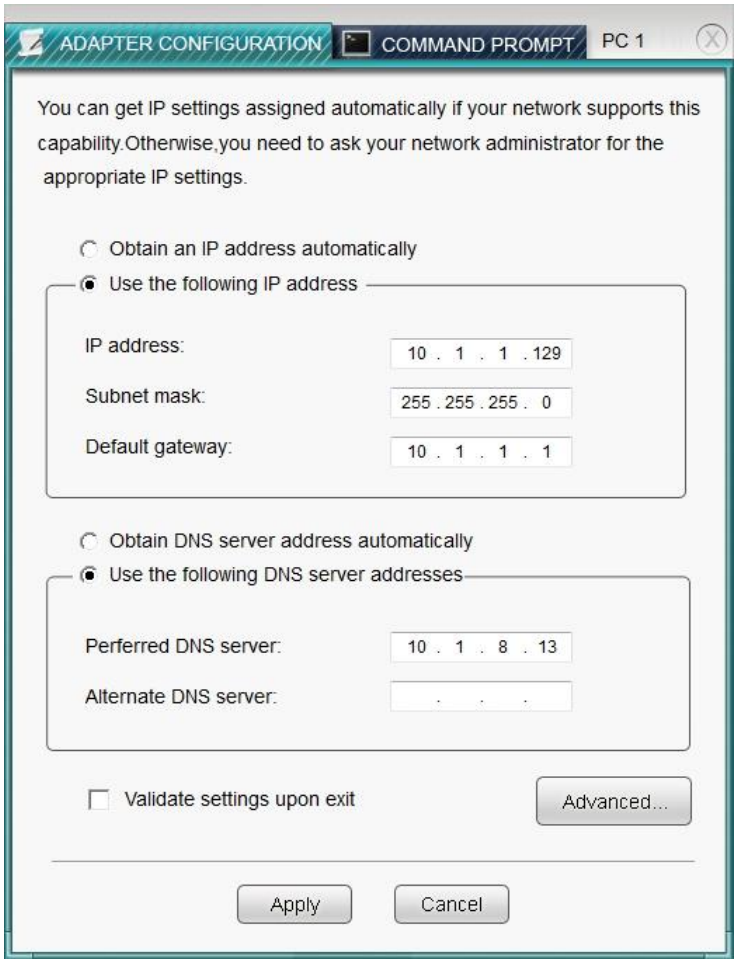
QUESTION 3
In which of the following layers of the OSI model does the TCP protocol operate?

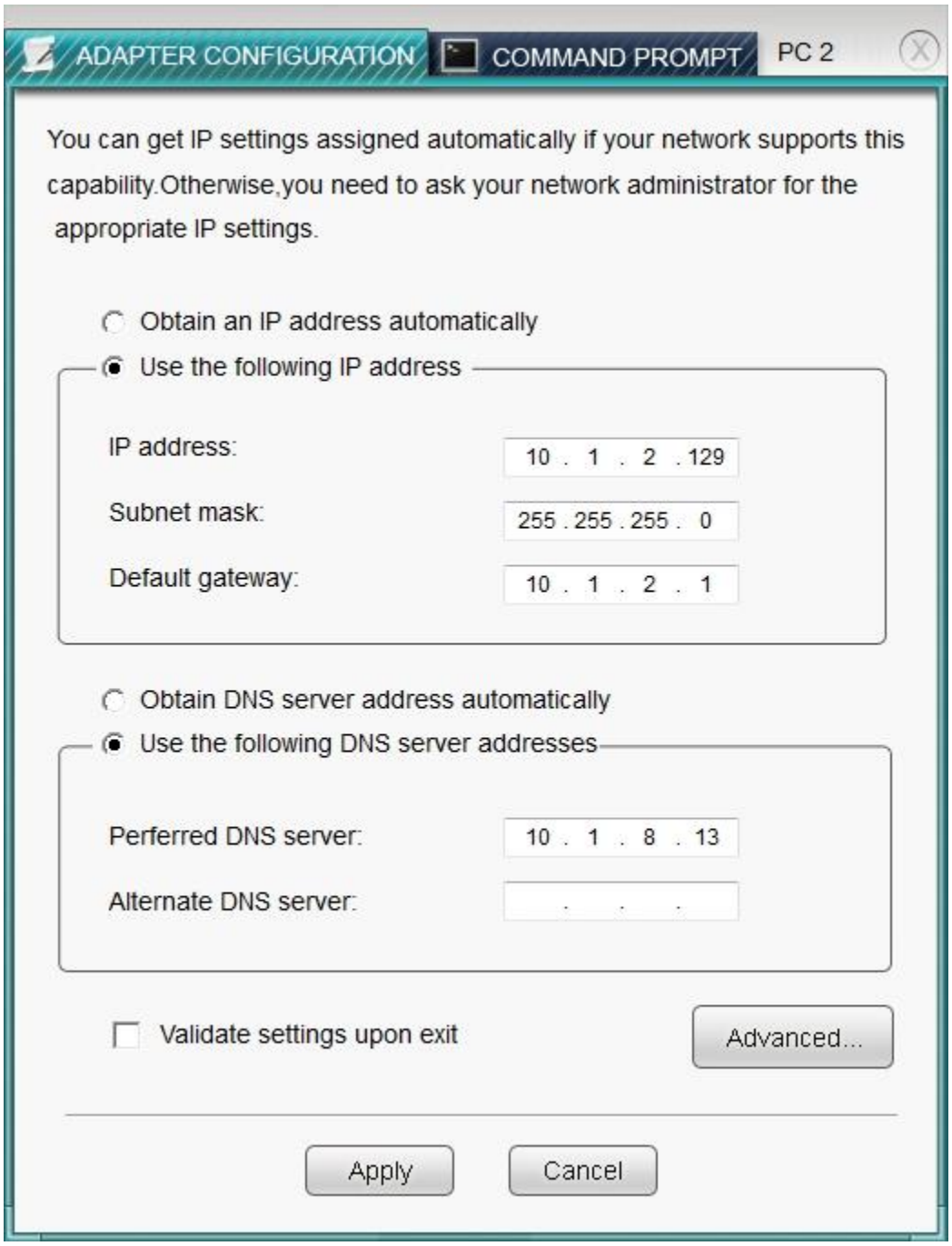
A. Session
B. Network
C. Data link
D. Transport

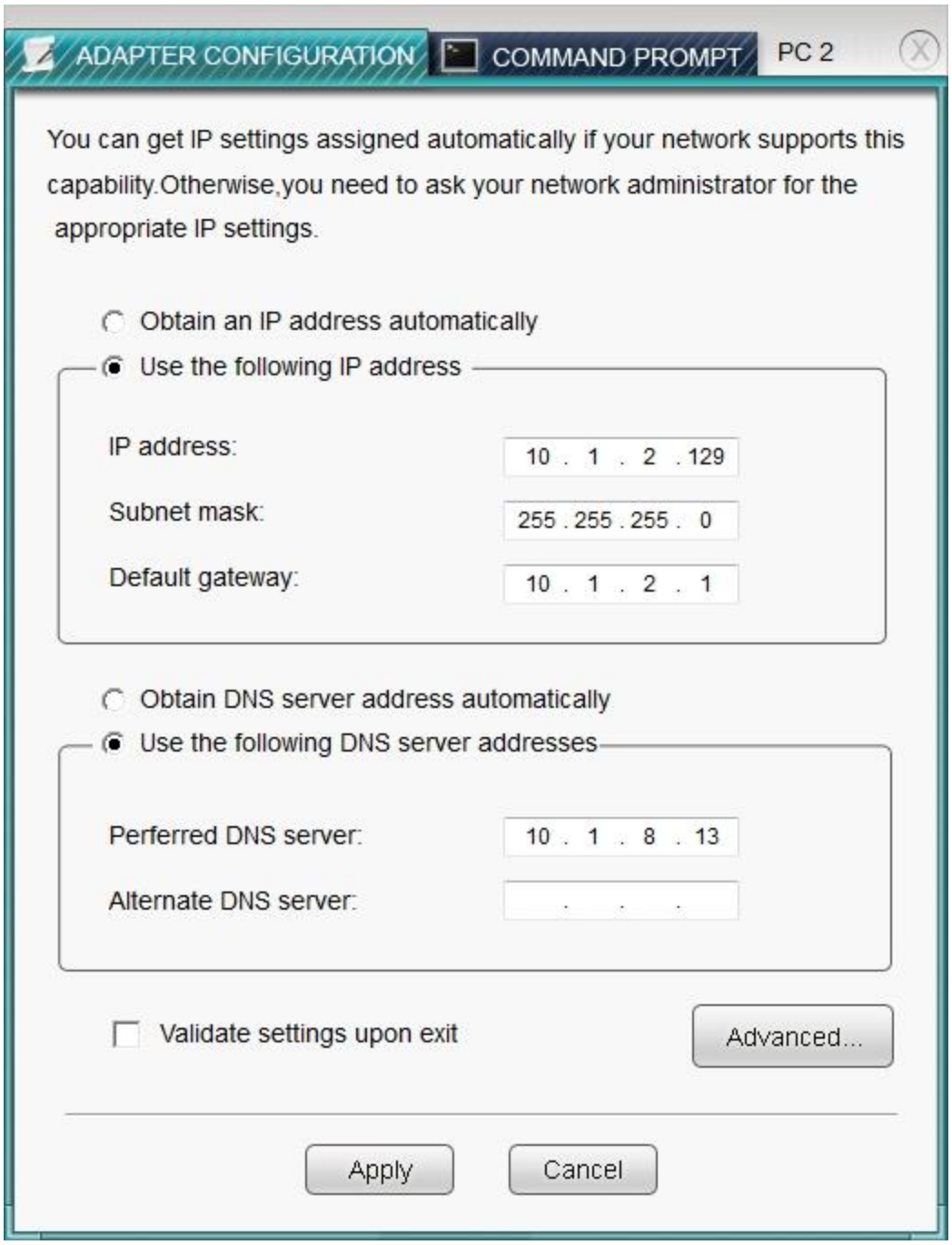
Answer: D

QUESTION 4
Lab Simulation
Alter recent changes to the pictured network, several users are unable to access the servers. Only PC1, PC2, PC3, and PC4 are clickable and will give you access to the command prompt and the adapter configuration tabs.
Instructions: Verify the settings by using the command prompt, after making any system changes. Next, restore connectivity by making the appropriate changes to the infrastructure.
When you have completed these steps, select the Done button to submit.


Network Diagram
Instructions: Verify the settings by using the command prompt, after making any system changes.
Next, restore connectivity by making the appropriate changes to the infrastructure.
When you have completed these steps, select the Done button to submit.
PC2
PC1
10.1.2.1/24
10.1.1.1/24
10.1.3.1/24
10.1.8.1/24
T1
10.0.2.1/24
PC3
Server 1
10.1.8.30/24
Server 2
10.1.8.13/24
PC4


ADAPTER CONFIGURATION
COMMAND PROMPT
PC 1
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.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 1 . 1 . 129
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
10 . 1 . 1 . 1
Obtain DNS server address automatically
Use the following DNS server addresses
Perferred DNS server:
10 . 1 . 8 . 13
Alternate DNS server:
Validate settings upon exit
Advanced...
Apply
Cancel


ADAPTER CONFIGURATION
COMMAND PROMPT
PC 2
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.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 1 . 2 . 129
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
10 . 1 . 2 . 1
Obtain DNS server address automatically
Use the following DNS server addresses
Perferred DNS server:
10 . 1 . 8 . 13
Alternate DNS server:
Validate settings upon exit
Advanced...
Apply
Cancel


ADAPTER CONFIGURATION
COMMAND PROMPT
PC 2
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.
Obtain an IP address automatically
Use the following IP address
IP address:
10 . 1 . 2 . 129
Subnet mask:
255 . 255 . 255 . 0
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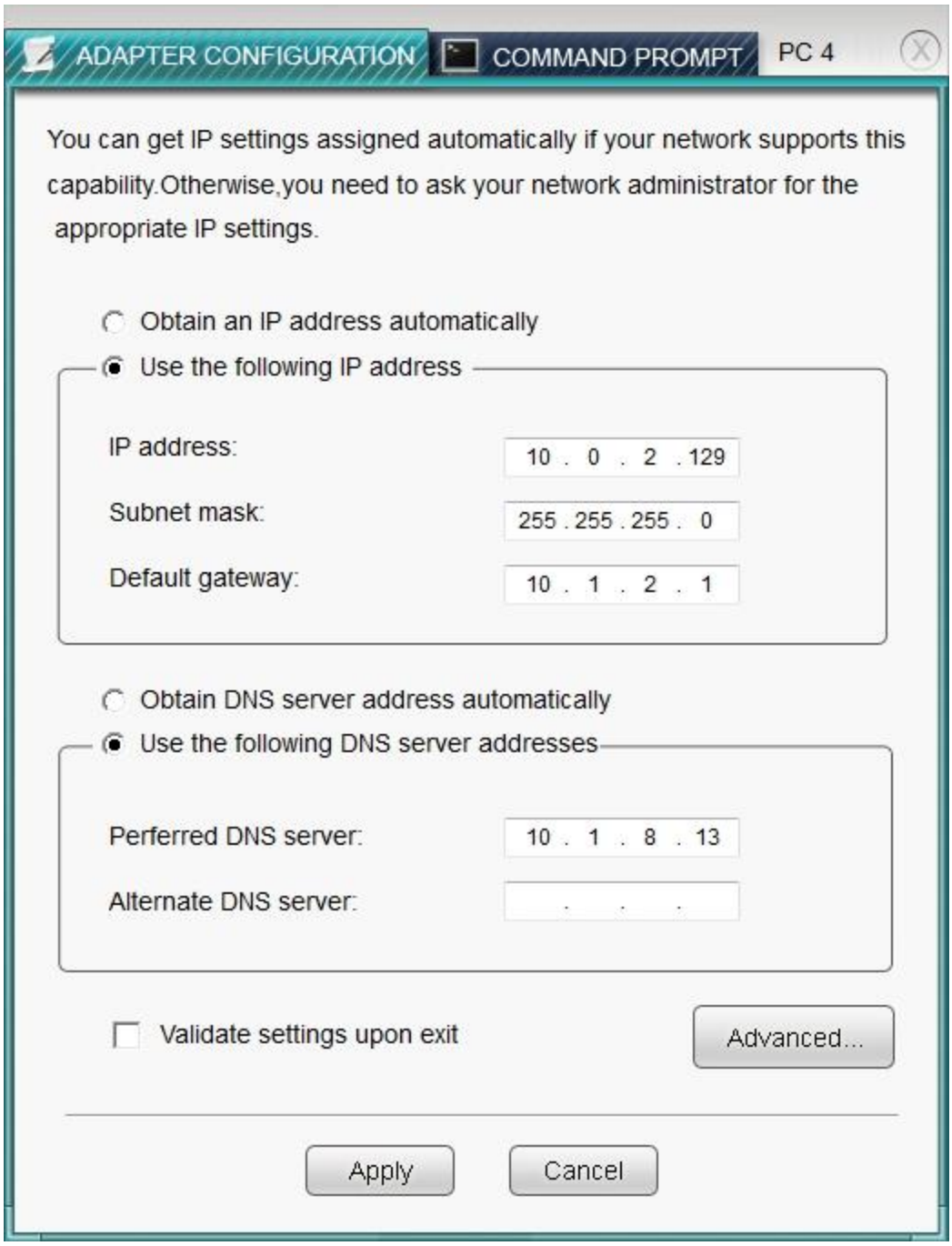

Answer:
On PC3, change the subnet mask to 255.255.255.0.
When it is set to 255.255.255.128, then the PC with a .129 address will not be on the same subnet as the default gateway which is .1
On PC4, change the default gateway to 10.0.2.1.
It has been incorrectly set as 10.1.2.1.

QUESTION 5
Which of the following protocols is the BEST choice for retrieving email on multiple devices?

A. IMAP4
B. SMTP
C. FTP
D. SNMPv3

Answer: A

QUESTION 6
A network technician is troubleshooting a user's connectivity problem, and has determined a probable cause. The technician is at which step in the troubleshooting methodology?

A. Verify full system functionality
B. Identify the problem
C. Establish a theory
D. Implement the solution

Answer: C

QUESTION 7
Which of the following ports would Zach, a technician, need to open on a firewall to allow SSH on the default port?

A. 20
B. 21
C. 22
D. 23

Answer: C

QUESTION 8
Which of the following protocols would Kurt, a technician, use to synchronize local date and time of a client workstation to that of a server?

A. RTP
B. NTP
C. TFTP
D. ARP

Answer: B

QUESTION 9
A technician is developing a shortcut sheet for the network to be able to assist in future troubleshooting scenarios. Which of the following should the network devices have to ease manageability efforts?

A. MAC spoofing
B. Dynamic IPs
C. MAC filtering
D. Static IPs

Answer: D

QUESTION 10
Which of the following is used to describe trunking VLANs on a network?

A. 802.11a
B. 802.11i
C. 802.1q
D. 802.1x

Answer: C

QUESTION 11
An administrator has added QoS settings to the LAN switches prioritizing RTP. Which of the following systems is the Administrator MOST concerned with in this scenario?

A. Phone communications
B. Web site downloads
C. Streaming video clients
D. Client bittorrent abilities

Answer: A

QUESTION 12
Which of the following STP states indicates an inactivated port due to a loop?

A. Disabled
B. Learning
C. Blocking
D. Forwarding

Answer: C

QUESTION 13
Which of the following layers of the OSI model maps to the Network Interface layer of the TCP stack? (Select TWO).

A. Physical
B. Session
C. Data Link
D. Network
E. Transport

Answer: AC

QUESTION 14
A user reports they are unable to access a file on a mapped network drive. A technician discovers

the server where the file is located did not come back online after last night's power outage and manually powers the server back online. The technician then verifies the user can connect to their file. Which of the following troubleshooting steps should the technician do NEXT?

A. Escalate by following change procedures
B. Establish a plan of action to resolve the problem
C. Document findings, actions, and outcomes
D. Question the user

Answer: C

QUESTION 15
Which of the following represents the physical address of a network access card?

A. FF01:D2:C4:87::11
B. 00-30-48-83-9B-C8
C. 08-9D-35-22-L2-34-FF-21
D. 2D1A:C3:0:1C3B:2AD:FF:FEBE:9D3A

Answer: B

QUESTION 16
Which protocol is represented by the packet capture below?

```
UDP 0.0.0.0:68 -> 255.255.255.255:67
```

A. DHCP
B. FTP
C. SNMP
D. DNS

Answer: A

QUESTION 17
Which of the following allows for groups of ports on the same switch to operate as a part of different segmented networks?

A. RIP
B. STP
C. VLAN
D. MTU

Answer: C

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