

## Exam Report: 1.4.5 Practice Questions

Date: 12/7/2019 4:04:53 pm  
Time Spent: 2:00

Candidate: Garsteck, Matthew  
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## Overall Performance

Your Score: 92%



Passing Score: 80%

View results by: ☐ Objective Analysis ☒ Individual Responses

## Individual Responses

▼ Question 1: Correct

Which of the following protocols allows hosts to exchange messages to indicate problems with packet delivery?

☐ IP☒ ICMP☐ DHCP☐ IGMP☐ TCP☐ ARP

## Explanation

The internet control message protocol (ICMP) allows hosts to exchange messages to indicate a packet's status as it travels through the network.

## References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #7]

▼ Question 2: Correct

Which protocol is used on the World Wide Web to transmit web pages to web browsers?

☐ HTML☐ NNTP☒ HTTP☐ SMTP

## Explanation

Web servers and browsers use or hypertext transfer protocol (HTTP) , to transmit web pages on the internet. This protocol is often confused with hypertext markup language (HTML), which is used to create web content.

## References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #58]

▼ Question 3: Correct

Your company has just acquired another company in the same city. You need to integrate the two email

systems so that messages can be exchanged between the email servers. Currently, each network uses an email package from a different vendor.

Which TCP/IP protocol will enable message exchange between systems?

☐ ICMP

➡ ☒ SMTP

☐ IMAP4

☐ FTP

☐ POP3

## Explanation

The simple mail transfer protocol (SMTP) specifies how messages are exchanged between email servers. Email clients use POP3 and IMAP4 to download email messages from email servers.

FTP is a file transfer protocol. ICMP is used in ping and traceroute to communicate network information.

## References

LabSim for Network Pro, Section 1.4.

[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #83]

### ▼ Question 4: Correct

You are an application developer, and you are writing a program for exchanging video files through a TCP/IP network. You need to select a transport protocol that will guarantee delivery.

Which TCP/IP protocol provides this capability?

☐ TFTP

☐ FTP

☐ RIP

☐ IP

☐ UDP

➡ ☒ TCP

## Explanation

Write the application to use the transmission control protocol (TCP). TCP guarantees delivery through error checking and acknowledgments.

## References

LabSim for Network Pro, Section 1.4.

[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #88]

### ▼ Question 5: Incorrect

Which of the following protocols stores email on the mail server and allows users to access messages from various client devices without having to download the emails?

☒ ~~SMTP~~

☐ NTP

➡ ☐ IMAP4

☐ POP3

## Explanation

IMAP4 allows a mail server to store messages users can access from various locations using various

client devices. A POP3 server requires the user to download his or her email. SMTP allows a user to send email to a server. The NTP protocol synchronizes the clocks of all computers on a network.

## References

LabSim for Network Pro, Section 1.4.

[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #200]

### ▼ Question 6: Correct

Which protocol is used to securely browse a website?

- ➡ ☒ HTTPS
- ☐ ARP
- ☐ SIP
- ☐ UDP
- ☐ SSH

## Explanation

HTTPS is a secure form of HTTP that uses SSL to encrypt data before it is transmitted. HTTP is used by web browsers and web servers to exchange files (such as web pages) through the World Wide Web and intranets.

SSH is used for secure remote management. UDP is a data transport control protocol that does not include error correction or detection mechanisms. SIP is a protocol used by Voice over IP (VoIP) to set up and terminate phone calls. ARP is used to find the IP address of a device with a known MAC address.

## References

LabSim for Network Pro, Section 1.4.

[netpro18v5\_all\_questions\_en.exm NP09\_1-1 #4]

### ▼ Question 7: Correct

The UDP transport protocol provides which of the following features? (Select all that apply.)

- ☐ Guaranteed delivery
- ☐ Sequence numbers and acknowledgements
- ➡ ☒ Connectionless datagram services
- ➡ ☒ Low overhead

## Explanation

UDP is a connectionless protocol used by applications that need low overhead and do not require guaranteed delivery.

## References

LabSim for Network Pro, Section 1.4.

[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #98]

### ▼ Question 8: Correct

What protocol sends email to a mail server?

- ☐ POP3
- ➡ ☒ SMTP
- ☐ TFTP
- ☐ FTP
- ☐ SNMP

## Explanation

SMTP sends email to a mail server.

## References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #147]

### ▼ Question 9: Correct

You have a large TCP/IP network and want to keep a host's real time clock synchronized. What protocol should you use?

- ☐ SAP
- ☐ SNMP
- ➡ ☒ NTP
- ☐ SMTP
- ☐ NNTP

## Explanation

The network time protocol (NTP) lets you keep clocks synchronized.

## References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #129]

### ▼ Question 10: Correct

Which of the following TCP/IP protocols do email clients use to download messages from a remote mail server?

- ➡ ☒ POP3
- ☐ FTP
- ☐ SNMP
- ☐ SMTP
- ☐ SPC

## Explanation

The POP3 protocol is part of the TCP/IP protocol suite. It is used to retrieve email from a remote server to a local client over a TCP/IP connection.

SNMP is a protocol used to monitor network traffic. SMTP is a TCP/IP protocol used to send email. FTP is used to transfer files.

## References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #290]

### ▼ Question 11: Correct

You are asked to recommend an email retrieval protocol for a company's sales team. The sales team needs to access email from various locations and possibly different computers. The sales team does not want to worry about transferring email messages or files back and forth between these computers.

Which email protocol is designed for this purpose?

- ☐ MFTP
- ➡ ☒ IMAP4

- ☐ POP4
- ☐ SMTP
- ☐ POP3

### Explanation

The internet message access protocol version 4 (IMAP) is an email retrieval protocol designed to enable users to access their email from various locations without transferring messages or files back and forth between computers. Messages remain on the remote mail server and are not automatically downloaded to a client system.

POP3 is an email retrieval protocol that downloads and then deletes messages from a mail server. POP3 is well suited for reading email offline, but you must go online when you want to receive and send new messages. Once your new messages have been downloaded to your computer, you can log off to read them. This option is often used when email is received over a dial-up connection.

### References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #318]

#### ▼ Question 12: Correct

Which of the following protocols includes extensive error checking to ensure that a transmission is sent and received without mistakes?

- ➡ ☒ TCP
- ☐ UDP
  - ☐ UCP
  - ☐ UDB

### Explanation

The TCP protocol includes error checking.

### References

LabSim for Network Pro, Section 1.4.  
[netpro18v5\_all\_questions\_en.exm NP05\_2-10 #113]