

## CCNA 1 Chapter 11 Study Guide – Answer Sheet

### Question 1

At which layer of the TCP/IP model does HTTP operate?

- a) **Application**
- b) Presentation
- c) Session
- d) Transport
- e) Internet
- f) Network Access

*Learn which protocols operate at which layer and how they work!!!*

### Question 2

Which of the following statements are true of FTP and TFTP? (Choose 2)

- a) Both used for de-encapsulation of network data
- b) **Both used for the transfer of files**
- c) They are both connectionless protocols
- d) They are both connection-orientated protocols
- e) **FTP is connection-orientated but TFTP is connectionless**

*Learn about the protocols and how they operate!!*

### Question 3

SMTP is commonly used for which purpose?

- a) Data transfer between servers and other network hosts
- b) Used by web browsers to interpret HTTP code
- c) **Protocol commonly used for the transfer of email on a network**
- d) Used to allocate IP addresses dynamically to network hosts
- e) Used to route Datagram packets through a LAN

*Learn your Protocols again!!!*

#### Question 4



Which part the above URL gives the name of the domain?

- a) http://
- b) www
- c) ebay.co.uk
- d) .co.uk
- e) http://ebay.co.uk/

Learn how website URL's are broken down and what each individual part means!!!

#### Question 5

Which of the following are popular mail client protocols? (Choose 2)

- a) POP3
- b) POP4
- c) SMTP
- d) IMAP4
- e) MS Outlook
- f) Hotmail

Learn how email is transmitted on a network and the advantages/disadvantages of the protocols used!!!

#### Question 6

Name three components of SNMP and what they do.

**Network management system (NMS)** – NMS executes applications that monitor and control managed devices

**Managed devices** – Managed devices are network nodes that contain an SNMP agent and that reside on a managed network

**Agents** – Agents are network-management software modules that reside in managed devices

Learn what SNMP does and how!!!

### Question 7



Which part of the above URL shows the TCP Protocol?

- a) **http://**
- b) www
- c) ebay.co.uk
- d) .co.uk
- e) http://ebay.co.uk/

Learn those URL meanings!!!

### Question 8

Which type of organization is represented by the domain suffix .ac.uk?

- a) An accountancy firm within the UK
- b) An actual company within the UK
- c) **An academic institution within the UK**
- d) An academy home-page within the UK
- e) An academic institution within the Ukraine

Learn how the domain breakdowns relate to each other!!!

### Question 9

Which protocol is used by TFTP to transfer files?

- a) TCP
- b) SMTP
- c) **UDP**
- d) SNMP

Learn which protocols are connection based and which are connectionless!!!

Question 10

What is the purpose of DNS?

The Domain Name System (DNS) is a system used on the Internet for translating names of domains and their publicly advertised network nodes into IP addresses

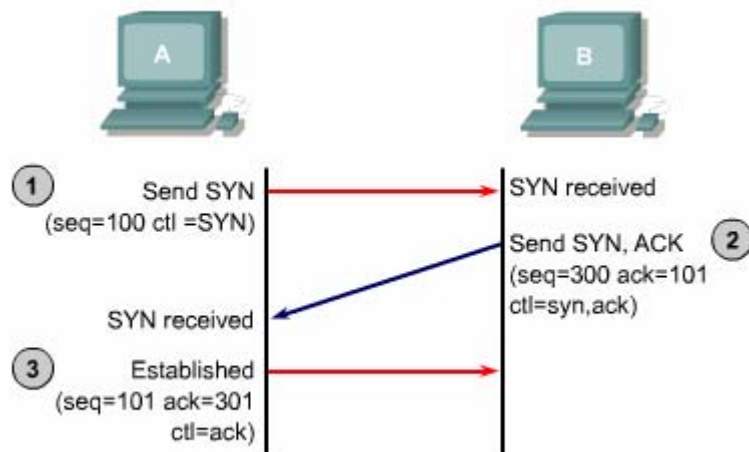
Question 11

Which TCP/IP Layer is responsible for dialog control?

- a) Application
- b) Presentation
- c) Session
- d) Transport

Learn about the functions of dialog control!!!

Question 12



What does the above diagram represent?

- a) A file transfer protocol agreement
- b) A three-way handshake
- c) Data packet transfer between two stations
- d) IP Sorting

Learn how packets are transferred!!!

Question 13

Which of the following protocols use TCP? (Choose 2)

- a) SYN
- b) DHCP
- c) TFTP
- d) HTTP
- e) FTP

Learn which protocols use TCP or UDP!!!

Question 14

Name two reasons why congestion could be caused when data transfer is in progress.

Faster computers generate traffic volume greater than the network is able to transfer  
Large numbers of computers send data to the same location at the same time

Learn the causes of network congestion!!!

Question 15

Which of the following are valid name suffixes available on the Internet today? (Choose 3)

- a) .pc
- b) .org
- c) .tw
- d) .dl
- e) .ax
- f) .qu

Learn your name suffixes!!!

Question 16

What are the features of the Transmission Control Protocol? (Choose 3)

- a) Connection orientated
- b) Operates at the Application layer of the TCP/IP model
- c) Provides reliable full-duplex data transmission
- d) Layer 4 Protocol
- e) Connectionless

Learn the key features and differences of TCP and UDP!!!

### Question 17

Name the principle functions of TFTP and what they are used for.

Read Files

Write Files

Mail Files

TFTP is used on the router to transfer configuration files and Cisco IOS images and to transfer files between systems that support TFTP

Learn about TFTP!!!

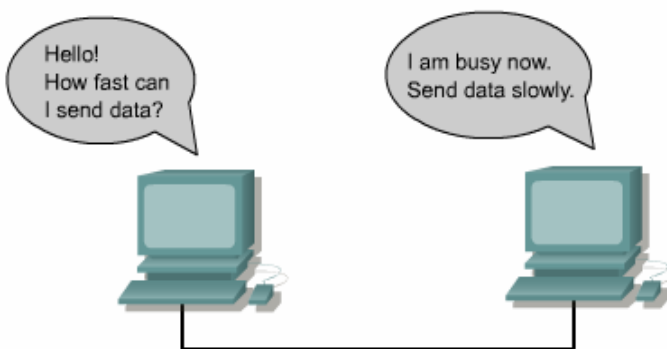
### Question 18

Which of the following SNMP components would a switch be considered?

- a) Network management system
- b) Agents
- c) Managed devices
- d) Secure ports

Learn about SNMP and what its primary functions are and how they are carried out!!!

### Question 19



What does the above diagram represent and at which layer of the TCP/IP model does it operate?  
(Choose 2)

- a) Flow control
- b) Email messaging
- c) Windowing
- d) Application
- e) Transport
- f) Internet
- g) Network Access