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| Started on | Wednesday, 22 November 2023, 3:35 PM |
| State | Finished |
| Completed on | Wednesday, 22 November 2023, 4:31 PM |
| Time taken | 55 mins 22 secs |
| Marks | 13.00/15.00 |
| Grade | 8.67 out of 10.00 (86.67%) |

Question 1

Correct

Mark 1.00 out of 1.00

Data Packets can be lost in transit over the network due to

- ☒ a. TTL Expiring ✓
- ☒ b. Network hardware Failures ✓
- ☒ c. Network Congestion ✓

Your answer is correct.

The correct answers are:

Network hardware Failures,

TTL Expiring,

Network Congestion

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following protocols are used in the transport layer?

- ☐ a. HTTP
- ☒ b. UDP ✓
- ☒ c. TCP ✓

Your answer is correct.

The correct answers are:

UDP,

TCP

Question 3

Correct

Mark 1.00 out of 1.00

Which of the following additional information is added to header in the transport layer?

- ☐ a. Process name.
- ☒ b. Port. ✓
- ☐ c. Mac address.
- ☐ d. IP address.

The correct answer is: Port.

Question 4

Incorrect

Mark 0.00 out of 1.00

Which of the protocol is relatively fast?

- ☐ a. UDP
- ☒ b. TCP ✗

The correct answer is: UDP

Question 5

Correct

Mark 1.00 out of 1.00

Which of the following message is used to terminate the connection.

- ☐ a. SYN
- ☒ b. FIN ✓

The correct answer is: FIN

Question 6

Correct

Mark 1.00 out of 1.00

Which of the following is true

- ☐ a. Each process will have same port number which is a 16 bit number.
- ☒ b. Each process will have unique port number which is a 16 bit number. ✓
- ☐ c. Each process will have unique port number which is a 32 bit number.
- ☒ d. Socket address is the combination of IP+ port. ✓

Your answer is correct.

The correct answers are:

Each process will have unique port number which is a 16 bit number.,

Socket address is the combination of IP+ port.

Question 7

Correct

Mark 1.00 out of 1.00

Which of the following message is used to initiate and establish a connection?

- ☐ a. FIN
- ☒ b. SYN ✓

The correct answer is: SYN

Question 8

Correct

Mark 1.00 out of 1.00

Network layer does not know about the port address.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 9

Correct

Mark 1.00 out of 1.00

Which of the following protocol does not ensure reliable data transfer?

- ☒ a. UDP ✓
- ☐ b. TCP

The correct answer is: UDP

Question 10

Correct

Mark 1.00 out of 1.00

If there is a loss of acknowledgement signal through the packet has received, how will the sender will know it?

- ☒ a. time out in receiving acknowledgement ✓
- ☐ b. TTL

The correct answer is: time out in receiving acknowledgement

Question 11

Correct

Mark 1.00 out of 1.00

_____Signal is used to intimate that the receiver has received the message.

- ☒ a. ACK ✓
- ☐ b. FIN
- ☐ c. SYN

The correct answer is: ACK

Question 12

Correct

Mark 1.00 out of 1.00

Which of the following mechanisms will ensure the data is reliably delivered?

- ☒ a. TCP ✓
- ☐ b. UDP

The correct answer is: TCP

Question 13

Incorrect

Mark 0.00 out of 1.00

NAT stands for.

- ☐ a. Network address translation.
- ☒ b. Network address transmission. ✗

The correct answer is: Network address translation.

Question 14

Correct

Mark 1.00 out of 1.00

The term UDP refers to.

- ☒ a. User datagram protocol. ✓
- ☐ b. User distance protocol.
- ☐ c. User durability protocol.

The correct answer is: User datagram protocol.

Question 15

Correct

Mark 1.00 out of 1.00

Which of the following is efficient way to transfer a larger message?

- ☒ a. Breakdown into smaller messages. ✓
- ☐ b. To transmit as it is.

The correct answer is: Breakdown into smaller messages.



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