

Started on Monday, 18 December 2023, 4:25 PM

State Finished

Completed on Monday, 18 December 2023, 4:32 PM

Time taken 7 mins 13 secs

Grade 19.00 out of 20.00 (95%)

Question **1**

Complete

Mark 1.00 out of 1.00

In link layer, parity bits are used for

- ☐ a. to transmit data faster
- ☐ b. encryption of data
- ☒ c. to detect errors
- ☐ d. to identify the user

The correct answer is:
to detect errors

Question **2**

Complete

Mark 1.00 out of 1.00

Which of the following is incorrect about Network Address Translation?

- ☐ a. NAT results in switching path delays.
- ☐ b. Certain application will not function while NAT is enabled.
- ☐ c. NAT is a process in which one or more local IP address is translated into one or more Global IP address and vice versa.
- ☒ d. Router will do NAT translation without configuration.

The correct answer is:
Router will do NAT translation without configuration.

Question **3**

Complete

Mark 1.00 out of 1.00

Find out the invalid subnet mask from the following

- ☐ a. **255.255.255.252**
- ☐ b. **255.240.0.0**
- ☒ c. **223.0.0.0**
- ☐ d. **None of these**

The correct answer is:

223.0.0.0

Question **4**

Complete

Mark 1.00 out of 1.00

The time required to examine the packet's header and determine where to direct the packet is part of _____

- ☐ a. Queuing delay
- ☒ b. Processing delay
- ☐ c. Propagation delay
- ☐ d. Transmission delay

The correct answer is:

Processing delay

Question **5**

Complete

Mark 1.00 out of 1.00

In a given subnet mask 255.0.0.0, what is the number of Host ID bits?

- ☒ a. 24
- ☐ b. 12
- ☐ c. 221
- ☐ d. 21

The correct answer is:

24

Question **6**

Complete

Mark 1.00 out of 1.00

The maximum size of payload field in Ethernet frame is

- ☐ a. 1200 bytes
bytes
bytes
bytes
bytes
- ☐ b. 1300 bytes
- ☒ c. 1500 bytes
- ☐ d. 1000 bytes

The correct answer is:
1500 bytes

Question **7**

Complete

Mark 1.00 out of 1.00

Dynamic Host Configuration Protocol is used for

- ☒ a. both IPV4 and IPV6
- ☐ b. IPV4
- ☐ c. None of these
- ☐ d. IPV6

The correct answer is:
both IPV4 and IPV6

Question **8**

Complete

Mark 1.00 out of 1.00

The sharing of medium and its links by two or more devices is called

- ☐ a. Fully duplexing
- ☐ b. Microplexing
- ☒ c. Multiplexing
- ☐ d. Duplexing

The correct answer is:
Multiplexing

Question **9**

Complete

Mark 1.00 out of 1.00

Which of the following describe the process identifier that is used to run OSPF on a router?

- A. It is globally significant.
- B. It is locally significant.
- C. It is needed to identify a unique instance of an OSPF database.
- D. It is an optional parameter required only if multiple OSPF processes are running on the router.

Select one:

- ☒ B and C
- ☐ A and C
- ☐ B and D
- ☐ A and D

The correct answer is: B and C

Question **10**

Complete

Mark 1.00 out of 1.00

Which of the following is not a limitation of IPV4 addresses?

- ☐ a. IPV4 suffers from IP address depletion
- ☐ b. IPV4 lacks end-to-end connectivity
- ☐ c. IPV4 cannot handle internet routing table expansion
- ☒ d. IPV4 fits for small topology drawing

The correct answer is:

IPV4 fits for small topology drawing

Question **11**

Complete

Mark 1.00 out of 1.00

Routing inside a single administrative domain is called as..... routing.

- ☐ a. None of these
- ☒ b. Intra-domain
- ☐ c. Inter-domain
- ☐ d. Path Vector

The correct answer is:

Intra-domain

Question **12**

Complete

Mark 1.00 out of 1.00

In reference to OSI model, TCP/IP model does not have _____

- ☐ a. application layer
- ☐ b. transport layer
- ☐ c. application layer
- ☒ d. session layer

The correct answer is:
session layer

Question **13**

Complete

Mark 1.00 out of 1.00

A email service uses which one of the following transport layer protocol?

- ☒ a. TCP
- ☐ b. UDP
- ☐ c. Both TCP and UDP
- ☐ d. HTTP

The correct answer is:
TCP

Question **14**

Complete

Mark 1.00 out of 1.00

Which of the following is incorrect about Network Address Translation?

- ☐ a. NAT results in switching path delays.
- ☐ b. Certain application will not function while NAT is enabled.
- ☐ c. NAT is a process in which one or more local IP address is translated into one or more Global IP address and vice versa.
- ☒ d. Router will do NAT translation without configuration.

The correct answer is:

Router will do NAT translation without configuration.

Question **15**

Complete

Mark 0.00 out of 1.00

Layer that translates between physical (MAC) and logical addresses is

- ☐ a. Physical
- ☒ b. Datalink
- ☐ c. Transport
- ☐ d. Network

The correct answer is:

Network

Question **16**

Complete

Mark 1.00 out of 1.00

The traffic field of IPV6 is similar to which field in the IPV4 header?

- ☐ a. Option field
- ☐ b. Fast switching
- ☒ c. Type of service
- ☐ d. Fragmentation field

The correct answer is:

Type of service

Question **17**

Complete

Mark 1.00 out of 1.00

Which multiple access techniques is used by IEEE 802.11 standards for wireless LANs?

- ☐ a. ALOHA
- ☐ b. CSMA/CD
- ☒ c. CSMA/CA
- ☐ d. CSMA

The correct answer is:

CSMA/CA

Question **18**

Complete

Mark 1.00 out of 1.00

Transmission data rate is decided by _____

- ☐ a. network layer
- ☐ b. data link layer
- ☐ c. transport layer
- ☒ d. physical layer

The correct answer is:

physical layer

Question **19**

Complete

Mark 1.00 out of 1.00

Which fields helps to check rearrangement of the fragments in IPV4?

- ☐ a. Protocol field value
- ☒ b. Fragment Offset
- ☐ c. Flags
- ☐ d. Checksum

The correct answer is:

Fragment Offset

Question **20**

Complete

Mark 1.00 out of 1.00

For a given subnet mask 255.128.0.0, what is the number of subnets?

- ☐ a. 4
- ☐ b. 8
- ☐ c. 6
- ☒ d. 2

The correct answer is:

2

[◀ CS301_Quiz1_23.11.2023](#)

Jump to...