

题目23

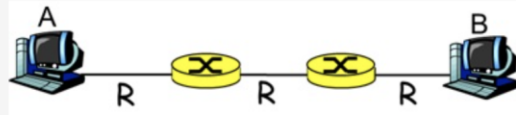
还未回答

满分2.00

标记

题目

As shown in the figure, a network uses datagram packet switching technology for communication, where $R = 1.5$ Mbps. Assume that the length of data sent from A to B is 1.5 Mbits. When the packet length L is 1500 bits, the transmission delay of data from A to B is ____ seconds.



答案： 1

不会

A client process $P1$ needs to make a TCP connection to a server process $S1$. Consider the following situation: the server process $S1$ executes a `socket()`, a `bind()` and a `listen()` system call in that order, following which it is preempted. Subsequently, the client process $P1$ executes a `socket()` system call followed by `connect()` system call to connect to the server process $S1$. The server process has not executed any `accept()` system call. Which one of the following events could take place?

选择一项：

- ☒ 1. `connect()` system call returns an error
- ☐ 2. `connect()` system call blocks
- ☐ 3. `connect()` system call returns successfully
- ☐ 4. `connect()` system call results in a core dump

The techniques for efficient utilization of bandwidth includes ____.

选择一项：

- ☐ 1. Encoding
- ☐ 2. Sampling
- ☐ 3. High bandwidth
- ☐ 4. Demultiplexing
- ☒ 5. Multiplexing

题目24

还未回答

满分2.00

标记

题目

An endpoint of an inter-process communication flow across a computer network is called ____.

选择一项：

- ☐ 1. process
- ☐ 2. handle
- ☐ 3. pipe
- ☐ 4. thread
- ☒ 5. socket
- ☐ 6. port

题目25

还未回答

满分2.00

标记

题目

In a ____ connection, the server leaves the connection open for more requests after sending a response.

选择一项：

- ☐ 1. nonpersistent
- ☒ 2. persistent
- ☐ 3. persistent and nonpersistent
- ☐ 4. none of the mentioned

题目27

还未回答

满分2.00

标记

题目

Which of the following describe the IP packet delivery layer? (Choose two.)

选择一项或多项：

- ☒ 1. Best Effort
- ☐ 2. Reliable
- ☒ 3. Connectionless
- ☒ 4. Streaming

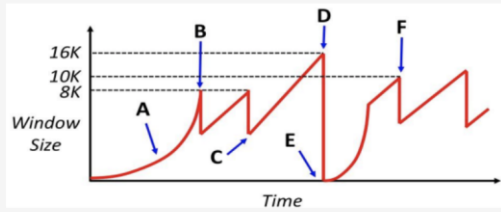
题目10

还未回答

满分2.00

标记

题目



Assume that the network has an MSS of 1000 bytes and the roundtrip-time between sender and receiver of 100 milliseconds. Assume at time 0 the sender attempts to open the connection. Also assume that the only latency you need to worry about is the actual propagation delay of the network. How much time (in milliseconds) has progressed by point B?

答案：

答案是 400 或 500 我写 400

BGP runs on the top of ____.

选择一项：

☐ 1. UDP

☒ 2. TCP

☐ 3. RIP

☒ 4. IP

题目7

还未回答

满分2.00

标记

题目

Which of the following is **incorrect** about the traceroute or tracert utility?

选择一项：

☐ 1. It uses **TCP** segments carried in an IP packet

☒ 2. It uses the TTL field to determine intermediate routers

☐ 3. It traces out the path taken by IP packets to a given destination

☐ 4. It can verify connectivity between endpoints

题目8

还未回答


满分2.00

标记

题目

Which of the following is **incorrect** about Route Aggregation?

选择一项：

- ☒ 1. Route aggregation is a technique used to decrease the number of routes in the routing table
- ☐ 2. Route aggregation will slow down the process of routing table lookups on the router 
- ☐ 3. Route aggregation is accomplished by configuring the routing protocol to advertise the summary route
- ☐ 4. Contiguous blocks of specific routes may be summarized

题目9

还未回答



满分2.00

标记


题目

Which two services are required to enable a computer to receive dynamic IP addresses and access the Internet using names? (Choose two.)

选择一项或多项：

- ☐ 1. HTTP
- ☒ 2. DHCP 
- ☐ 3. WWW
- ☒ 4. DNS 
- ☐ 5. ARP

Que. In all frames are given to the computer, not to those addressed.

- a. Promiscuous mode 
- b. Miscues mode
- c. Normal mode
- d. Special Mode

Answer: Promiscuous mode

[Confused About the Answer? Ask for Details Here](#)

题目11

答案已保存


满分2.00

标记

题目

In ____ all frames are given to the computer, not to those addressed.

选择一项：

- ☐ 1. Special Mode
- ☐ 2. Promiscuous mode 
- ☒ 3. Miscues mode
- ☐ 4. Normal mode

题目11

还未回答

满分2.00

标记

题目

A computer can access devices on the same network but cannot access devices on other networks. What is the probable cause of this problem?

选择一项：

- ☐ 1. The computer has an invalid IP address.
- ☐ 2. The computer has an incorrect subnet mask.
- ☐ 3. The cable is not connected properly to the NIC.
- ☒ 4. The computer has an invalid default gateway address. ✓

题目12

还未回答

满分2.00

标记

题目

The IP addresses 200.23.16.0/23, 200.23.18.0/23, 200.23.20.0/23 and 200.23.22.0/23 can be aggregated into _____. (Choose two.)

选择一项或多项：

- ☐ 1. 200.23.16.0/20 ✓
- ☐ 2. 200.23.16.0/22
- ☐ 3. 200.23.8.0/21
- ☒ 4. 200.23.16.0/21 ✓

题目13

还未回答

满分2.00

标记

题目

TCP protects itself from miss delivery by IP with the help of ____.

选择一项：

- ☐ 1. Pseudo header
- ☐ 2. Destination IP Address in IP header
- ☒ 3. Source port and Destination port ✓
- ☐ 4. Source IP Address in IP header

If 5 files are transferred from server A to client B in the same FTP session the number of TCP connection between A and B is ____.

选择一项：

- ☐ 1. 1
- ☐ 2. 5
- ☒ 3. 2
- ☐ 4. 6 ✓

题目15

还未回答

满分2.00

标记

题目

Here some activities related to email is given. Find the correct match for the protocols used in appropriate activity.

A1: send an email from a mail client to mail server.

A2: download an email in mailbox from mail server to mail client.

A3: checking mail in browser.

选择一项：

☐ 1. A1: SMTP, A2: HTTP, A3: POP

☐ 2. A1: HTTP, A2: SMTP, A3: POP

☒ 3. A1: SMTP, A2: POP, A3: HTTP ✓

☐ 4. A1: POP, A2: SMTP, A3: HTTP

题目16

还未回答

满分2.00

标记

题目

A and B are the only two stations on Ethernet. Each has a steady queue of frames to send. Both A and B attempts to transmit a frame, collide and A wins first back off race. At the end of this successful transmission by A, both A and B attempt to transmit and collide. The probability that A wins the second back off race is ____ .

选择一项：

☐ 1. 0.875

☒ 2. 0.625 ✓

☐ 3. 0.75

☐ 4. 0.675

☐ 5. 0.725

题目17

还未回答

满分2.00

标记

题目

Which two functions are provided by the NCP during a PPP connection? (Choose two.)

选择一项或多项：

☒ 1. negotiating options for the IP protocol ✓

☐ 2. managing authentication of the peer routers of the PPP link

☐ 3. enhancing security by providing callback over PPP

☒ 4. bringing the network layer protocol or protocols up and down ✓

题目19

还未回答

满分2.00

标记

题目

What two tasks do dynamic routing protocols perform? (Choose two.)

选择一项或多项：

☐ 1. assign IP addressing

☒ 2. update and maintain routing tables ✓

☐ 3. propagate host default gateways

☒ 4. network discovery ✓

题目20

还未回答

满分2.00

标记

题目

In a TCP 3-way handshake what does a SYN, ACK message indicate?

选择一项：

- ☐ 1. None of the mentioned
- ☐ 2. Final message of a 3-way handshake
- ☐ 3. First message of a 3-way handshake
- ☒ 4. Second message of a 3-way handshake ✓

题目21

还未回答

满分2.00

标记

题目

Which of the following system calls results in the sending of SYN packets?

选择一项：

- ☐ 1. Accept
- ☒ 2. Connect ✓
- ☐ 3. Bind
- ☐ 4. Listen

题目22

还未回答

满分2.00

标记

题目

Which codes can be used to correct errors? (Choose two.)

选择一项或多项：

- ☐ 1. Binary convolutional codes ✓
- ☐ 2. Parity
- ☒ 3. Hamming codes ✓
- ☐ 4. Cyclic Redundancy Checks

题目15

还未回答

满分2.00

标记

题目

Here some activities related to email is given. Find the correct match for the protocols used in appropriate activity.

A1: send an email from a mail client to mail server.

A2: download an email in mailbox from mail server to mail client.

A3: checking mail in browser.

选择一项：

- ☐ 1. A1: SMTP, A2: HTTP, A3: POP
- ☐ 2. A1: HTTP, A2: SMTP, A3: POP
- ☒ 3. A1: SMTP, A2: POP, A3: HTTP ✓
- ☐ 4. A1: POP, A2: SMTP, A3: HTTP

这个题是 3

题目28

还未回答

满分2.00

标记

题目

What is the use of the Time To Live (TTL) field in the IP header?

选择一项：

- ☐ 1. How long a routing entry remains in the routing table before being renewed
- ☐ 2. To count how many Layer 3 devices have passed an IP packet
- ☐ 3. To keep track of the number of virtual routers traffic may use to forward traffic
- ☒ 4. To limit the lifetime of a IP datagram and to prevent indefinite looping of IP datagrams ✓

有几道 20 题在最上面

题目29

还未回答

满分2.00

标记

题目

A network administrator is variably subnetting a given block of IPv4 addresses. Which combination of network addresses and prefix lengths will make the most efficient use of addresses when the need is for 2 subnets capable of supporting 10 hosts and 1 subnet that can support 6 hosts?

选择一项：

- ☐ 1. 10.1.1.128/26, 10.1.1.140/26, 10.1.1.158/28
- ☒ 2. 10.1.1.128/28, 10.1.1.144/28, 10.1.1.160/29 ✓
- ☐ 3. 10.1.1.128/28, 10.1.1.144/28, 10.1.1.160/28
- ☐ 4. 10.1.1.128/28, 10.1.1.140/28, 10.1.1.158/26

题目30

还未回答

满分2.00

标记

题目

In military applications where large number of routers may be blown to bits at any instant, ____ is used.

选择一项：

- ☐ 1. Shortest path first
- ☒ 2. Flooding ✓
- ☐ 3. First come first serve
- ☐ 4. RIP

题目31

还未回答

满分2.00

标记

题目

A ____ is a set of primitives (operations) that a layer provides to the layer above it.

选择一项：

- ☐ 1. protocol
- ☒ 2. service ✓
- ☐ 3. architecture
- ☐ 4. interface

题目32

还未回答

满分2.00

标记

题目

A web client is receiving a response for a web page from a web server. From the perspective of the client, what is the correct order of the protocol stack that is used to decode the received transmission?

选择一项：

- ☒ 1. Ethernet, IP, TCP, HTTP ✓
- ☐ 2. HTTP, TCP, IP, Ethernet
- ☐ 3. HTTP, Ethernet, IP, TCP
- ☐ 4. Ethernet, IP, TCP, Server
- ☐ 5. Ethernet, TCP, IP, HTTP

题目33

还未回答

满分2.00

标记

题目

Station A needs to send a message consisting of 9 packets to station B using a sliding window (window size is 3) and go back n error control strategy. All packets are ready and immediately available for transmission. If every 5th (i.e 5th, 10th, 15th, ...) packet that A transmits gets lost (but no ACKs from B ever get lost), then what is the number of packets that A will transmit for sending the message to B?

选择一项：

- ☐ 1. 12
- ☐ 2. 20
- ☐ 3. 18
- ☒ 4. 14
- ☐ 5. 16 ✓

好像是 16 , 不是 14

题目34

还未回答

满分2.00

标记

题目

What are two ways that TCP uses the sequence numbers in a segment? (Choose two.)

选择一项或多项：

- ☐ 1. to determine if the packet changed during transit
- ☒ 2. to identify missing segments at the destination ✓
- ☐ 3. to specify the order in which the segments travel from source to destination ✓
- ☒ 4. to reassemble the segments at the remote location

题目35

还未回答

满分2.00

标记

题目

After obtaining the IP address, to prevent the IP conflict the client may use ____.

选择一项：

- ☒ 1. ARP
- ☐ 2. ICMP
- ☒ 3. DHCP ✓
- ☐ 4. RIP

题目36

还未回答

满分2.00

标记

题目

Assume that TCP implements an extension that allows window sizes much larger than the threshold of 64 KB. Suppose that you are using this extended TCP over a 1-Gbps link with round trip latency 100 msec to transfer a 10 MB file and TCP sends packets with MSS of 1 KB (assuming no congestion and no lost packets). How many RTTs does it take to send the file?

选择一项：

- ☐ 1. 10
- ☒ 2. 14 ✓
- ☐ 3. 8
- ☐ 4. 12

题目39

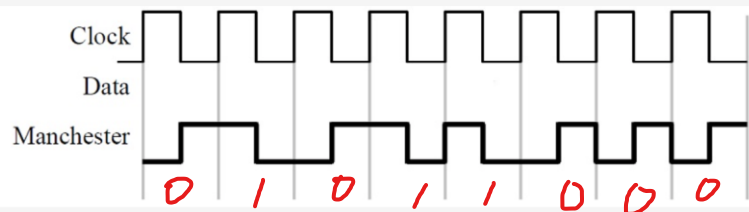
还未回答

满分2.00

标记

题目

The bit stream corresponding to the Manchester output waveform on a port pin below is _____.(no any spaces in the given bit stream)



答案：01011000

题目40

还未回答

满分2.00

标记

题目

Suppose you are designing a sliding window protocol for a 1-Mbps point-to-point link to the moon, which has a one-way latency of 1.25 seconds. Assuming that each frame carries 1 KB of data, what is the minimum number of bits you need for the sequence number?

答案：9

题目41

还未回答

满分2.00

标记

题目

What is the most compressed representation of the IPv6 address 2001:0000:0000:abcd:0000:0000:0000:0001?

选择一项：

- ☐ 1. 2001:0000:abcd::1
- ☐ 2. 2001::abcd:0:1
- ☐ 3. 2001:0:abcd::1
- ☐ 4. 2001::abcd::1
- ☒ 5. 2001:0:0:abcd::1 ✓

题目42

还未回答

满分2.00

标记

题目

How many TCP connections can be opened between two ports?

选择一项：

- ☐ 1. None of the mentioned
- ☒ 2. Single ✓
- ☐ 3. Multiple
- ☐ 4. Zero

题目43

还未回答

满分2.00

标记

题目

Once the cut-through Ethernet switch detects the first ____ bytes of an Ethernet frame at the input port, it immediately starts forwarding process.

答案： 64

?

题目44

还未回答

满分2.00

标记

题目

A ____ is a TCP name for a transport service access point.

选择一项：

- ☐ 1. node
- ☒ 2. port ✓
- ☐ 3. pipe
- ☐ 4. socket

4

题目45

还未回答

满分2.00

标记

题目

Each switch will update its switch table by learning the ____ address when ____ a frame.

选择一项：

- ☐ 1. Source MAC, sending
- ☐ 2. Destination MAC, sending
- ☒ 3. Source MAC, receiving ✓
- ☐ 4. Destination MAC, receiving

题目46

还未回答

满分2.00

标记

题目

In IPv4 header, the ____ field is needed to allow the destination host to determine which datagram a newly arrived fragment belongs to.

选择一项：

- ☐ 1. fragment offset
- ☐ 2. source IP address
- ☒ 3. identification ✓
- ☐ 4. time to live

题目47

还未回答

满分2.00

标记

题目

Which route allows a router to forward packets even though its routing table contains no specific route to the destination ?

选择一项：

- ☐ 1. 0.0.0.0/32
- ☐ 2. 127.0.0.0/8
- ☐ 3. 127.0.0.1/32
- ☐ 4. none of the mentioned
- ☒ 5. 0.0.0.0/0 ✓

题目48

还未回答

满分2.00

标记

题目

The message 11001001 is to be transmitted using the CRC polynomial $x^3 + 1$ to protect it from errors. The message that should be transmitted is ____.

选择一项：

- ☒ 1. 11001001011
- ☐ 2. 11001001101
- ☐ 3. 11001001100
- ☐ 4. 110010011001001

题目49

还未回答

满分2.00

标记

题目

Which statement is correct about network protocols?

选择一项：

- ☐ 1. They define the services the source and the destination can use when communicating.
- ☐ 2. They are only required for exchange of messages between devices on remote networks.
- ☒ 3. They define how messages are exchanged between the source and the destination.
- ☐ 4. They define the type of hardware that is used and how it is mounted in racks.