**18CSE302J – COMPUTER NETWORKS**

**Model MCQ QP**

1. Protocol used for mapping the physical addresses to logical address is
2. ARP
3. RARP
4. ICMP
5. IGMP

ANSWER: B

1. UDP provides additional services over Internet Protocol
2. Routing and switching
3. Sending and receiving of packets
4. Multiplexing and demultiplexing
5. Demultiplexing and error checkin

ANSWER: D

1. The transport layer protocol used for real time multimedia
2. TCP
3. UDP
4. ARP
5. RARP

ANSWER: B

1. Let the size of congestion window of a TCP connection be 64 KB when a timeout occurs. The round trip time of the connection is 250 msec and the maximum segment size used is 2 KB. The time taken (in msec) by the TCP connection to get back to 64 KB congestion window is
2. 1100 TO 1300
3. 4000 TO 4500
4. 5000 TO 5500
5. 1300 TO 2000

ANSWER: C

1. The size of a congestion window increases exponentially in the slow start phase of \_\_\_\_algorithm
2. TCP congestion control
3. UDP congestion control
4. TCP Error control
5. UDP Error control

ANSWER: A

1. On a TCP connection, current congestion window size is 8 KB. The window advertised by the receiver is 7 KB. The last byte sent by the sender is 6144 and the last byte acknowledged by the receiver is 7168. The current window size at the sender is
2. 10240
3. 8192
4. 7168
5. 6144

ANSWER: D

1. Command used to trace the path of a packet from the source to destination in windows
2. Ping
3. Locater
4. Traceroute
5. Tracert

ANSWER: D

1. No ICMP error message will be generated for a datagram for a \_\_\_ Address
2. Unicast
3. Multicast
4. Physical
5. Logical

ANSWER: B

1. If the value in the protocol field is 6, The transport layer protocol used is
2. TCP
3. UDP
4. ICMP
5. IGMP

ANSWER: B

1. The traffic class field is used to specify the priority of the IP packet which is a similar functionality to the \_\_\_field in the IPv4 header
2. TOS
3. TTL
4. Flag
5. Offset

ANSWER: A

1. Let the size of congestion window of a TCP connection be 64 KB when a timeout occurs. The round trip time of the connection is 200 msec and the maximum segment size used is 2 KB. The time taken (in msec) by the TCP connection to get back to 32 KB congestion window is
2. 1100 TO 1300
3. 800 TO 1000
4. 1500 TO 2000
5. 2300 TO 3000

ANSWER: B

1. IPv6 packet can live up to \_\_\_ router hops
2. 256
3. 512
4. 255
5. 511

ANSWER: C

1. The maximum transmission unit value for FDDI ring is
2. 1500
3. 2552
4. 4352
5. 2343

ANSWER: C

1. A Datagram of 2000 B(20 B of IP header + 1980 IP playload) reached at router and must be forward to a link with MTU of 500 B. What is the offset value of 4th packet.
2. 120
3. 180
4. 60
5. 240

ANSWER: B

1. Mapping used to update the logical address and physical address in cache table manually
2. Dynamic
3. Static
4. Physical
5. Logical

ANSWER: B

1. Number of streams require for each connection in TCP
2. 1
3. 2
4. 3
5. 0

ANSWER: B

1. The protocol used to create sub netting effect
2. ARP
3. RARP
4. ICMP
5. Proxy ARP

ANSWER: A

1. Number of streams require for each connection in TCP
2. 1
3. 2
4. 3
5. 0

ANSWER: B

1. During datagram switching, the packets are placed in \_\_\_\_\_\_\_\_\_\_ to wait until the given transmission line becomes available.

A. QUEUE

B. STACK

C. HASH

D. ROUTING TABLE

ANSWER: A

1. On a TCP connection, current congestion window size is 6 KB. The window advertised by the receiver is 6 KB. The last byte sent by the sender is 10240 and the last byte acknowledged by the receiver is 8192. The current window size at the sender is
2. 10240
3. 8192
4. 7168
5. 6144

ANSWER: D

1. In IPv4 when datagram is encapsulated in the frame , the total size of the datagram must be less than the ..........

A. MUT

B. MTU

C. MTA

D. MAC

ANSWER: B

1. ICMP error message will not be generated for a datagram having a special address such as \_\_\_\_\_\_\_

A. 127.0.0.0

B. 192.168.10.1

C. 127.162.10.1.0

D. 11.7

ANSWER: A

1. A Datagram of 5500 B(20 B of IP header + 5480 IP playload) reached at router and must be forward to a link with MTU of 1500 B. how many fragments will be generated.
2. 3
3. 4
4. 5
5. 6

ANSWER: 5

1. In a simple echo-request message, the value of the sum is 01010011 01011100. Then, value of checksum is \_\_\_\_\_
2. 01010000 01011100
3. 01010000 01011101
4. 11000000 01011100
5. 10101100 10100011

ANSWER: D

1. ICMP error message will not be generated for a datagram having a special address such as \_\_\_\_\_\_\_

A. 127.0.0.0

B. 192.168.10.1

C. 127.162.10.1.0

D. 11.7

ANSWER: A