

EL-GY 5373 Pop Quiz Six

Name: _____

Student ID: _____

I. Answer True or False to the following questions:

- UDP destination ports can be used to distinguish arriving packets to different applications running in the same computer.
a) True b) False
- UDP provides unreliable transfer of datagrams, thus cannot be used by applications in client-server architecture.
a) True b) False
- TCP destination ports can be used to distinguish arriving packets to different applications running in the same computer.
a) True b) False
- To avoid IP fragmentation on an IPv4 packet, the source host must flag the DF (Don't Fragment) bit in the header before sending the packet out.
a) True b) False
- Ethernet bridge doesn't block BPDU messages even through some bridge ports set with Blocked State by STP.
a) True b) False
- File transfer with TFTP program requires two TCP connections, one for control commands and the other for file transfer.
a) True b) False
- RIP and OSPF apply different routing algorithms, RIP with the Distance Vector while OSPF has the Link State, but both use IP layer directly to transfer the routing messages.
a) True b) False
- RIP provides routing with single route from a source to a destination but OSPF can support multiple routes.
a) True b) False

II. Select ALL CORRECT answers for the following questions.

1. How often does IP Routing Protocol (RIP) check routing table entries to update?
 - a) At least once every 30 seconds
 - b) Whenever a link is added or dropped at the node
 - c) Whenever a list of shortest distances from an adjacent node is received
 - d) 3 minutes
2. TCP supports connection-oriented services, and many Internet applications are running on TCP. But we still say the Internet is connectionless network, why?
 - a) Because some applications are running on UDP.
 - b) Because there are packets get dropped in the Internet.
 - c) Because TCP is over IP, and IP is not connection-oriented.
 - d) Because the Internet is a packet switching network.