CSCI 3303 Networking Data Communication

Homework Assignment 2

Due Date: Midnight Sep. 12, 2021

Name/ ID: Kaleb Cosgrave

1. Physical or logical arrangement of network is \_\_\_\_\_**Topology**\_\_\_\_\_  
   **a) Topology** b) Routing  
   c) Networking d) Control
2. Which network topology requires a central controller or hub? \_\_\_\_**Star**\_\_\_\_\_\_  
   **a) Star** b) Mesh c) Ring d) Bus
3. Data communication system spanning states, countries, or the whole world is \_**WAN**\_\_\_\_\_\_\_  
   a) LAN **b) WAN** c) MAN d) PAN
4. Data communication system within a building or campus is \_\_\_**LAN**\_\_\_\_\_  
   **a) LAN** b) WAN c) MAN d) PAN
5. Which one is not a role of network switch? \_\_\_\_\_**Aging**\_\_\_\_

a) learning b) flooding c) monitoring **d) aging**

1. The term that is used to place packet in its route to its destination is called \_\_\_\_\_**Forwarding**\_\_\_  
   a) Delayed b) Urgent **c) Forwarding** d) Delivering
2. Which one is not a method to transport data over the network? \_\_\_\_**Dualcast**\_\_\_\_  
   a) Unicast **b) Dualcast** c) Broadcast d) Multicast
3. A subset of a network that includes all the routers but contains no loops is called \_\_\_**Spanning** **Tree\_\_\_\_**  
   **a) spanning tree** b) spider structure  
   c) spider tree d) special tree
4. Which of the following is not correct in relation to multi-destination routing? \_\_\_\_**C.**\_\_\_\_\_  
   a) is same as broadcast routing b) contains the list of all destinations

**c) data is not sent by packets** d) there are multiple receivers

1. \_\_\_\_\_\_**Router**\_\_\_\_\_\_\_\_\_\_ are networking devices operating at layer 3 or a network layer of the OSI model to assign optimal route.