

Data Communication and Networking Set #4

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MCCQs.

- 1) In a star topology, Ethernet LAN, is just a point where the signals coming from different stations collide, it is the collision point;
(a) A passive hub (b) An active hub
(c) either (a) or (b) (d) Neither (a) nor (b)
- 2) VLANs can _____.
(a) provide an extra measure of security
(b) reduce network traffic.
(c) either (a) or (b)
(d) both (a) & (b)
- 3) A _____ link acts as a LAN in a remote backbone connected by remote bridge;
(a) multidrop (b) point-to-point.
(c) multipoint (d) none of the above
- 4) A _____ forward every frame, it has no filtering capabilities;
(a) router (b) bridge (c) passive hub
(d) repeater
- 5) A _____ can check the MAC addresses in the frame;
(a) repeater (b) bridge
(c) router (d) passive hub
- 6) IEEE 802.1d specification, defines _____ criteria for a transparent bridges
(a) two (b) four (c) three (d) six
- 7) A two-layer switch is a _____
(a) router (b) repeater
(c) bridge (d) none of the above

6) In a bridged LAN, the _____ algorithm creates a topology in which each LAN can be reached from any other LAN through one path only.

- (a) binary tree (b) spanning tree
(c) unary tree (d) none of the above.

9) A _____ can be used as a connecting device b/w two internetworks that use different models:

- (a) gateway (b) router
(c) bridge (d) repeater

10) A three layer switch is a kind of:

- (a) bridge (b) router
(c) repeater (d) none of the above

11) UDP and TCP are both _____ layer protocols:

- (a) data link (b) network
(c) Transport (d) none of the above

12) TCP is a(n) _____ transport protocol:

- (a) Unreliable (b) best effort delivery
(c) reliable / connection oriented

13) Which of the following does UDP guarantee?

- (a) flow control
(b) Connection oriented delivery
(c) either (a) or (b)
(d) none of the above