YILDIZ TECHNICAL *UNIVERSITY*

Ad, Soyad   :
Numara   :
Dersin Kodu   : BLM6196
Dersin Adı   : Computer Networks And Communication Protocols
Dersi Veren   : Prof. Dr. Hasan Huseyin BALIK
Sınav Türü   : ☐ Quiz   ☐ Midterm   ⊗ Final-MakeUp
Tarih   :26.01.2017

QUESTIONS

1. In order for data processing devices to communicate certain conventions must be decided on. These requirements can collectively be termed _____.
   - A) synchronization
   - B) transmission systems
   - **C) exchange management**
   - D) flow control

2. Individual hosts and LANs are connected to an Internet Service Provider through a _____.
   - A) NAP
   - B) CPE
   - **C) POP**
   - D) NSP

3. The key features of a protocol are: syntax, semantics and _____.
   - A) presentation
   - **B) timing**
   - C) network access
   - D) peer layering

4. An example of _____ traffic is real time traffic such as voice and video.
   - A) delay variation
   - B) elastic
   - C) multimedia information
   - **D) inelastic**

5. A next generation IP, known as _____, provides longer address fields and more functionality than the current IP.
   - **A) IPv6**
   - B) IPv5
   - C) IPv3
   - D) IPv4

6. An IS used to connect two LANs that use similar LAN protocols and acts as an address filter, picking up packets from one LAN that are intended for a destination on another LAN and passing those packets on, is a _____.
   - A) router
   - **B) bridge**
   - C) broadcast
   - D) end system

7. All of the following are ways of the receiving transport entity to cope with the flow control requirement EXCEPT:
   - A) use a credit scheme
   - B) do nothing
   - C) use a fixed sliding-window protocol
   - **D) accept further segments from the network service**

8. _____ provides a means of informing the destination TCP user that significant data is in the upcoming data stream. It is up to the destination user to determine appropriate action.

    A) Data stream signaling   B) Attention signaling

    C) Urgent data signaling   D) Alert signaling

9. MIMO exploits the space dimension to improve wireless systems in terms   of _____.

    A) range   B) capacity

    C) reliability   **D) all of the above**

10. Subchannels are further grouped into _____, which can be allocated to wireless users.

    A) links   B) chips

    C) signals   **D) bursts**

11. WiMAX is based on the _____ standard.

    A) IEEE 802.11   B) IEEE 802.11a

    C) IEEE 802.13   **D) IEEE 802.16**

12. Which of the following is NOT a disadvantage of the first generation routing algorithm?

    A) It responded slowly to congestion and delay increases and was not very accurate.

    B) When a node or link fails, it can no longer be used as part of a route.

    C) Queue length is an artificial measure of delay because some variable amount of processing time elapses between the arrival of a packet at a node and its placement in an outbound queue.

    D) The algorithm did not consider line speed, merely queue length.

13. The disadvantage of fixed routing is _____.

    A) its lack of flexibility

    B) its simplicity

    C) it does not work with virtual circuits

    D) it does not work with datagrams

14. With _____ the link costs used in designing routes cannot be based on any dynamic variable such as traffic.

    A) fixed routing   B) random routing

    C) adaptive routing   **D) flooding**