

CS-432 Final Terms

1. Ethernet recommends minimum frame size up to **Ans. 64 Bits**
2. layer incorporates error detection. **Ans. Datalink**
3. Weighted fair queue supports bit by bit scheduling. **Ans. Round robin**
4. in Max frame size computation Ethernet recommends Frame size a maximum. **Ans. 1500 Bytes**
5. In TCP congestion control, Rate = congWin/ **Ans. RTT**
6. is the complexity of the link state protocol datagram networks. **Ans. $O(n^2)$**
7. identifies the operation in the wake of Time Out **Ans. RFC2581**
8. Weighted fair queue supports bit by by..... scheduling **Ans. Round Robin**
9. QoS routing is to find a router for the session. **Ans. Good**
10. in Max Frame size computation Ethernet recommends frame size as maximum **Ans. 1500 Bytes**
11. Queues Provide best effort services. **Ans. FIFO**
12. Route Lookup essentially involves tracing bit destination address in the trie to find the vertex. **Ans. 32**
13. In HTTP Response, which of the code is used for Bad Request? **Ans. 400**
14. The queuing system consists of a single queuing station with a single serves. **Ans. M/M/I**
15. IEEE 802.16 is an emerging technology. **Ans. Wireless MAN**
16. Receiver in each edge can decode the transmission from..... node **Ans. Head**
17. During periods of congestion Queuing benefits UDP flows over TCP flows **Ans. FIFO**
18. Poisoned reverse does not work if more than Neighbors are involved in looping. **Ans. 2**
19. IntServ (QoS model) simulate the “virtual circuit” of ATM or frame relay on layer..... **Ans. 3**
20. Directed graph is represented with the help of **Ans. $G(N,E)$**
21. Is a sequence of bits delimits a frame’s Start and End. **Ans. Flag**
22. It requires RTTs per object in modeling non persistence connections **Ans. 2**
23. HSRP also works for proxy **Ans. Multicast**
24. Windows fail to provide adequate control of packet delay **Ans. Hop by hop**
25. In HTTP Response, which of the code is used for Bad request? **Ans. 400**
26. Ability to grow is known as **Ans. Scalability**
27. Size of scalar results file size is vector results file. **Ans. after less then**
28. In RFC 3439, average buffering equals to RTT. **Ans. Typical**
29. Total time for N objects in persistent connection is **Ans. $(N+1)*RTT+N*Transmit\ time$**

30. Ad hoc network has..... **Ans. No proper infra-structure**
31. Wi MAX stands for **Ans. World side Interoperability for Microwave Access**
32. Mingwenv means **Ans. Minimalist GNU for Windows Environment**
33. Degree of mobility in network where user moves between access networks, while maintaining ongoing connections is known as **Ans. High Mobility**
34. Wireless LAN protocol stack does not include **Ans. Passive optical network**
35. In which of the following technique, one checksum is computed over the header and another checksum computed over entire packet. **Ans. TCP and IP**
36. ,,,,,,, file is used to hold OMNeT++ configuration and parameters of our model **Ans. omnetpp.ini**
37. Every router on source-dest path maintains for each passing connection **Ans. State**
38. In parity Checks technique parity detect single bit errors. **Ans. single bit**
39. Broadband access technology is based on **Ans. Shared medium and short distance**
40. Packets in Priority queue are scheduled in order. **Ans. Ascending**
41. Packet transmission in ALOHA protocol is **Ans. Randomized**
42. Every router on source-dest path maintains for each passing connection **Ans. State**
43. Portion of the virus creates a random encryption key and encrypts the remainder of the various category **Ans. Steatib Virus**

Questions

44. IEEE, 802.15.4 standard defines the operation of low-rate wireless personal area networks (LR WPANs). Enlist and five features of IEEE 802.15.4 standard.

Ans. Certainly, here are the key points about the IEEE 802.15.4 standard

Low Data Rate: Designed for Low-Rate Wireless personal Area Networks (LR WPANs) with modest bandwidth requirements.

Low Power Consumption: Optimized for energy efficiency, extending battery life for battery-operated devices.

Short Range Communications: Suited for short-range connections, covering distances of tens to a few hundred meters.

Frequency Bands: Supports various frequency bands, including 2.4GHz ISM and sub-GHz bands, offering flexibility based on local regulations and interference concerns.

Network Topologies: Supports both star and peer-to-peer (mesh) network topologies, allowing communication through central coordinators or directly between devices.

45. What is the concept of flooding? Give an example of its applications.