



# Network

Lec 1: Ch1-2





# Questions on Lecture 1

**1. Is a group of interconnected electronic devices that share resources and services through communication links**

- a) Router
- b) Computer
- c) Computer network
- d) Switch

**2. Transmission media such as**

- a) copper cables
- b) optical fiber
- c) wireless technology
- d) radio transmission
- e) all of above

**3. Network main components**

- a) resources
- b) support for data transmission
- c) Protocols
- d) all of above

**4. Computer Network Doesn't have any benefits**

- a) True
- b) False

إِنَّ اللَّهَ َعَلَّمَ الْقُرْآنَ بِصُورٍ كَثِيرٍ مِّنْ قَبْلُ نَزَّلَ الْوَحْيَ عَلَى الْمُرْسَلِينَ ۚ وَيُنَزِّلُ الْمَلَائِكَةَ فِي الصُّبُحِ وَالْمَشْرِيقِ عَلَى السَّحَابِ بِقُرْآنٍ مُّتَشَابِهٍ ۚ وَهُوَ عَلِيمٌ ذَكِيٌّ ۚ إِنَّ اللَّهَ َعَلَّمَ الْقُرْآنَ بِصُورٍ كَثِيرٍ مِّنْ قَبْلُ نَزَّلَ الْوَحْيَ عَلَى الْمُرْسَلِينَ ۚ وَيُنَزِّلُ الْمَلَائِكَةَ فِي الصُّبُحِ وَالْمَشْرِيقِ عَلَى السَّحَابِ بِقُرْآنٍ مُّتَشَابِهٍ ۚ وَهُوَ عَلِيمٌ ذَكِيٌّ ۚ



تَسْنِ عَلَيَّ

عَلَيَّ

**5. Computer Network is a group of disconnected electronic devices that share resources and services through communication links**

a) True

b) False

**6. From the benefits of networking**

a) File Sharing

b) Security

c) Resource Sharing

d) Communication

e) all of above

**7. All Computers on the network can share resources such as printers and scanners**

a) File Sharing

b) Security

c) Resource Sharing

d) none of above

**8. Network helping in working on a team project**

a) True

b) False

**9. Form Network Application**

a) E-mails

b) Games

c) Electronic Financial Transactions



d) all of above

إِنَّ اللَّهَ عَلِيمٌ بِمَا لَا تَرَوْنَ وَهُوَ غَافِلٌ عَنِ مَا لَا تَدْرِكُونَ

## 10. One of Keys of computer network is Reliability

a) True

b) False

## 11. The standards and formats that must be followed to establish the communication between nodes participating

a) topology

b) bus topology

c) ring topology

d) protocol

## 12. Set of rules or guidelines that dictate how something should be done or how processes should occur, ensuring consistency and efficiency

a) protocol

b) topology

c) ring topology

d) none of above

## 13. Protocol doesn't affect on performance

a) True

b) False

## 14. VPN Stands for

a) Virtual Public Network

b) Virtual Private Node

c) Virtual Public Node

d) Virtual Private Network

إِنَّ اللَّهَ عَلِيمٌ بِمَا لَا تَرَوْنَ وَهُوَ غَافِلٌ عَنِ مَا لَا تَدْرِكُونَ

تَسْنَلِيم

عَلَى

**15. VoIP Stands for Virtual open IP**

- a) True
- b) False

**16. Client is something that provide a service**

- a) True
- b) False

**17. is something that provide a service**

- a) Client
- b) server
- c) all of above
- d) none of above

**18. Includes online shopping, auctions and payment of invoices**

- a) E-commerce
- b) Smart homes
- c) Collaborative websites
- d) all of above
- e) none of above

**19. The data travels in both directions, but alternately**

- a) simplex
- b) half duplex
- c) full duplex
- d) broadcast



إِنَّ اللَّهَ َوَمَلَائِكَتَهُ يُصَلُّونَ عَلَى النَّبِيِّ يَا أَيُّهَا الَّذِينَ آمَنُوا صَلُّوا عَلَيْهِ وَسَلِّمُوا تَسْلِيمًا

**20. The data relating to the request flows in one direction only** a) simplex

- b) half duplex
- c) full duplex
- d) broadcast

**21. The output of data from the sender is received from all other receivers** a) simplex

- b) half duplex
- c) full duplex
- d) broadcast

**22. The data flows in both directions at the same time**

- a) simplex
- b) half duplex
- c) full duplex
- d) broadcast

**23. It is a broadcast, but the performance of the data but the sender is received by only a specific subset of the receiver**

- a) Multicast
- b) half duplex
- c) full duplex
- d) broadcast

إِنَّ اللَّهَ َوَمَلَائِكَتَهُ يُصَلُّونَ النَّبِيِّ يَا أَيُّهَا الَّذِينَ آمَنُوا صَلُّوا عَلَيْهِ وَسَلِّمُوا

عَلَى

تَسْئَلِيْمَ

**24. A circuit-switching network includes the unrelated elements of a set of exchanges of switching into which the subscriber is connected to**

- a) True
- b) False

**25. A circuit-switching network includes the interrelated elements of a set of exchanges of switching into which the subscriber is connected to**

- a) True
- b) False

**26. Examples of networks that operate in circuitswitching network suffers from a delay while a connection is established**

- a) PSTN
- b) ISDN
- c) all of above
- d) none of above

**27. Determine the maximum flow rate can be used**

- a) throughput
- b) bandwidth
- c) a & b
- d) none of above

**28. The bandwidth determine the actual flow rate can be used**

- a) True
- b) False



إِنَّ اللَّهَ َوَمَلَايَكْتَهُ يُصَلُّونَ عَلَى النَّبِ يَا أَيُّهَا الَّذِينَ آمَنُوا صَلُّوا عَلَيْهِ وَسَلِّمُوا تَسْلِيمًا

## 29. Command types of transmission media

- a) Coaxial Cable
- b) STP Cable
- c) UTP Cable
- d) Fiber Optic Cable
- e) all of above

## 30. UTP is more expensive than STP

- a) True
- b) False

## 31. UTP compose from

- a) four wires
- b) four pairs
- c) eight wires
- d) eight pairs
- e) b & c
- f) a & d

**32. In FCIS building we want to make a network with wired cables and we want the Data Rate Up to 10Gbps what do you think the best UTP Cable for making this network in the best way that help us to save money and get the Data Rate that we wanted**

- a) CAT4
- b) CAT1
- c) CAT6

إِنَّ اللَّهَ َوَمَلَايَكْتَهُ يُصَلُّونَ عَلَى النَّبِ يَا أَيُّهَا الَّذِينَ آمَنُوا صَلُّوا عَلَيْهِ وَسَلِّمُوا



d) CAT5e

تَسْنَلِيمٌ

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### 33. STP Cable stands for Shielded Twisted Protocol

a) True

b) False

### 34. Is affected by radio frequency interference and electrical a) UTP

b) STP

c) all of above

d) none of above

### 35. Cable that was used in network but now it used rarely in modern networks a) UTP Cable

b) STP Cable

c) Coaxial Cable

d) Fiber optic Cable

### 36. What do you think the cables that we can use cross the oceans a) UTP Cable

b) STP Cable

c) Coaxial Cable

d) Fiber optic Cable

### 37. Fiber optic cable transmits signals at greater distances than a twisted pair and coaxial cables

a) True

b) False

إِنَّ اللَّهَ َوَمَلَايَكْتَهُ يُصَلُّونَ عَلَى النَّبِيِّ يَا أَيُّهَا الَّذِينَ آمَنُوا صَلُّوا عَلَيْهِ وَسَلِّمُوا تَسْلِيمًا



**38. How many types that Fiber optic cable has**

- a) Multimode
- b) Singlemode
- c) all of above
- d) none of above

**39. The Ethernet cable types**

- a) Rolled Cable
- b) Crossover Cable
- c) Striaht-through Cable
- d) all of above

**40. If we want to connect Hub to Hub what the type of cables that we will use**

- a) Rolled Cable
- b) Crossover Cable
- c) Striaht-through Cable
- d) all of above