

## COMPUTER NETWORKS

1. What is the other types of OLAP apart from ROLAP?

- A. HOLAP
- B. MOLAP
- C. DOLAP
- D. Both a and b above

**Ans: B**

2. A network router joins two \_\_\_\_\_ together?

- A. Computers
- B. Switches
- C. Networks
- D. Gateway

**Ans: C**

3. Message Oriented Middleware allows general purpose messages to be exchanged in a Client/Server system using message queues.

- A. True
- B. False

**Ans: A**

4. Which of the following below is a loop back IP address?

- A. 127.0.0.0
- B. 127.0.1.1
- C. 127.0.1.0
- D. 127.0.0.1

**Ans: D**

5. Ping command works on which protocol?

- A. ICMP
- B. TCP
- C. IP
- D. UDP

**Ans: A**

6. Transport layer of OSI model lies between Network and \_\_\_\_\_ layer

- A. Application
- B. Data link
- C. Session
- D. Presentation

**Ans: C**

7. Which of the following protocols below work in application layer?

- A. POP
- B. PPP
- C. FTP
- D. Both a and d above

**Ans: D**

8. What is the port number for HTTP?

- A. 25
- B. 80
- C. 21
- D. 65

**Ans: B**

9. IP4 is more commonly used than IPv6?

- A. True
- B. False

**Ans: A**

10. From the options below, which suits best for MODEM?

- A. a device that modulates an analog carrier signal to encode digital information
- B. a device that modulates a digital carrier signal to encode analog information
- C. a device that modulates an analog carrier signal to decode digital information
- D. a device that modulates a digital carrier signal to decode analog information

**Ans: A**

11. What is the size of an IP address?

- A. 64 bit
- B. 128 bit
- C. 16 bit
- D. 32 bit

**Ans: D**

12. MAC addresses are also known as?

- A. Hardware address
- B. Physical address
- C. both and b above
- D. IP address

**Ans: C**

13. A network point that provides entrance into another network is called as \_\_\_\_\_

- A. Node
- B. Gateway
- C. Switch
- D. Router

**Ans: B**

14. UDP is an unreliable protocol.

- A. True
- B. False

**Ans: A**

15. A stream socket provides \_\_\_\_\_ communications between a client and server

- A. One way
- B. Two way

**Ans: B**

**16. Token Ring is a data link technology for ?**

- A. WAN**
- B. MAN**
- C. LAN**
- D. both a and b above**

**Ans: C**

**17. Which of the following protocol below are suited for email retrieval?**

- A. POP3**
- B. IMAP**
- C. FTP**
- D. Both and b above**

**Ans: D**

**18. TELNET used \_\_\_\_\_ protocol for data connection**

- A. TCP**
- B. UDP**
- C. IP**
- D. DHCP**

**Ans: A**

**19. 10Base5, 10Base2, 10BaseT are types of?**

- A. Internet**
- B. LAN**
- C. Ethernet**
- D. Cables**

**Ans: C**

**20. The process of assigning IP address for specific times to the various hosts by DHCP is called as?**

- A. Lend**
- B. sublease**
- C. let**
- D. Lease**

**Ans: D**

**21. What is the full form of URL?**

- A. Uniform routing locator**
- B. Uniform Resource locator**
- C. Universal Resource locator**
- D. Uniform router locator**

**Ans: B**

**22. \_\_\_\_\_ is a standard suite of protocols used for packet switching across computer networks.**

- A. x.22**
- B. x.23**
- C. x.25**
- D. x.26**

**Ans: C**

**23. What is the full form of CAN?**

- A. Campus Area Network**
- B. Cluster Area Network**
- C. Control Area network**
- D. both A and B**

**Ans: D**

**24. Which of the following below is/are capability of ICMP protocol?**

- A. Report package count**
- B. Report network congestion**
- C. Both b and d**
- D. Report availability of remote hosts**

**Ans: C**

**25. ARP works on Ethernet networks.**

- A. False**
- B. True**

**Ans: B**

26. \_\_\_\_\_ assigns a unique number to each IP network adapter called the MAC address.

- A. Media Access Control
- B. Metro Access Control
- C. Metropolitan Access Control
- D. Both B and C above

**Ans: A**

27. Piconets in blue tooth a minimum of two and a maximum of \_\_\_\_\_ Bluetooth peer devices.

- A. five
- B. eight
- C. nine
- D. four

**Ans: B**

28. Dynamic addressing doesn't allow many devices to share limited address space on a network

- A. True
- B. False

**Ans: B**

29. NAT stands for \_\_\_\_\_.

- A. network address transformer
- B. network address translator
- C. network address translation
- D. Both B and C above

**Ans: C**

30. Which of the following is true for secure shell tunneling?

- A. To set up an SSH tunnel, one configures an SSH client to forward a specified local port
- B. SSH tunnels provide a means to not bypass firewalls
- C. All SSH clients support dynamic port forwarding
- D. Both A and B

**Ans: A**

**31. Which of the following below are secure VPN protocols?**

- A. UDP**
- B. TCP**
- C. SSTP**
- D. Both B and C**

**Ans: D**

**32. What is the difference between a switch and a hub?**

- A. Switches operate at physical layer while hubs operate at data link layer**
- B. Switches operate at data link layer while hubs operate at transport layer**
- C. Switches operate at data link layer while hubs operate at physical layer**
- D. Switches operate at transport layer while hubs operate at physical layer**

**Ans: C**

**33. When computers in a network listen and receive the signal, it is termed as active topology**

- A. True**
- B. False**

**Ans: A**

**34. In 10base2, 10base5, what does 2 and 5 stand for?**

- A. Speed in mbps**
- B. Number of segments**
- C. Length of segment**
- D. Size of segment**

**Ans: B**

**35. \_\_\_\_\_ is added to data packet for error detection.**

- A. checksum bit**
- B. error bit**
- C. parity bit**

**Ans: C**

**36. ALL IP addresses are divided into network address and host address**

**A. True**

**B. False**

**Ans: A**

**37. How can we examine the current routing tables in command prompt?**

**A. using routestart**

**B. using netstart**

**C. using netstat**

**D. either a or b**

**Ans: C**

**38. Both ping and tracert are used to find If the computer is in network.**

**A. True**

**B. False**

**Ans: B**

**39. What is the difference between ring and bus topology?**

**A. In Ring all nodes are connected with another in a loop while in bus they are connected to a central cable**

**B. In Ring all nodes are connected with another loop while in bus they are connected to a central cable**

**C. In bus all nodes are connected with another in a loop while in star they are connected to a central node**

**D. In Bus all nodes are connected with another loop while in star they are connected to a central cable**

**Ans: A**

**40. MAC addressing works in data link layer while IP addressing works in network layer.**

**A. True**

**B. False**

**Ans: A**



**41. A packet whose destination is outside the local TCP/IP network segment is sent to the\_\_\_\_\_.**

- A. File server**
- B. Default gateway**
- C. DNS server**
- D. DHCP server**

**Ans: B**

**42. Why was the OSI model developed?**

- A. manufacturers disliked the TCP/IP protocol suite**
- B. the rate of data transfer was increasing exponentially**
- C. standards were needed to allow any two systems to communicate**
- D. none of the above**

**Ans: C**

**43. Which piece of information is not vital for a computer in a TCP/IP network?**

- A. IP address**
- B. Default gateway**
- C. Subnet Mask**
- D. DNS server**

**Ans: D**

**44. The physical layer is concerned with the movement of \_\_\_\_\_ over the physical medium.**

- A. programs**
- B. dialogs**
- C. protocols**
- D. Bits**

**Ans: D**

**45. Which protocol below operates at the network layer in the OSI model?**

- A. IP**
- B. ICMP**
- C. RARP**
- D. All of the above**

**Ans: D**

**46. In the OSI model, as a data packet moves from the lower to the upper layers, headers are**

- A. added**
- B. removed**
- C. rearranged**
- D. Modified**

**Ans: B**

**47. Session layer of the OSI model provides**

- A. Data representation**
- B. Dialog control**
- C. Remote job execution**
- D. Creating logical connections**

**Ans: B**

**48. IPv6 has \_\_\_\_\_-bit addresses.**

- A. 32**
- B. 64**
- C. 128**
- D. Variable**

**Ans: C**

**49. Which one of the following functionalities isn't provided by TCP?**

- A. Flow control**
- B. Addressing**
- C. Retransmission of packets as required**
- D. Proper sequencing of the packets**

**Ans: B**

**50. Which of the following can be an Ethernet physical address?**

- A. 01:02:01:2C:4B**
- B. 07:01:02:01:2C:4B:2C**
- C. 07:01:02:01:2C:4B**
- D. none of the above**

**Ans: C**

51. An IP address contains \_\_\_\_\_ bits ?

- A. 8
- B. 16
- C. 32
- D. 64

**Ans: C**

52. Which routing protocol below is used by exterior routers between the autonomous systems?

- A. RIP
- B. IGRP
- C. OSPF
- D. BGP

**Ans: D**

53. Which of the IP headers decides when the packet should be discarded?

- A. Fragment control
- B. TTL
- C. Checksum
- D. Header length

**Ans: B**

54. Which IP address is reserved for software loop-back?

- A. 224.x.x.x
- B. 127.x.x.x
- C. 0.0.0.0
- D. 255.255.255.255

**Ans: B**

55. What is the network ID for a computer whose IP address is 190.148.64.23?

- A. 190
- B. 190.148
- C. 190.148.64
- D. None of the above

**Ans: B**

**56. Which port is reserved for use of the SMTP protocol?**

- A. 21**
- B. 23**
- C. 25**
- D. 53**

**Ans: C**

**57. Which one of the following is a connectionless protocol?**

- A. UDP**
- B. Ethernet**
- C. IPX**
- D. All of the above**

**Ans: D**

**58. Which application below uses the UDP protocol?**

- A. DNS**
- B. TFTP**
- C. RIP**
- D. All of the above**

**Ans: C**

**59. How many IP addresses can be assigned to hosts in a C-class network segment with a subnet mask of 255.255.255.192?**

- A. 62**
- B. 126**
- C. 192**
- D. 254**

**Ans: A**

**60. Which of the following is not a direct implication of subnet masks in TCP/IP networks?**

- A. Reduce network traffic**
- B. Increase network security**
- C. Assignment of more IP addresses**
- D. Better network management**

**Ans: C**

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