Computer Networks

SET-41

By

BHARAT BHUSHAN @ B. K. NAL

Assistant Professor (Computer Science)
Director, BSTI, Kokar

&

SUPRIYA BHARATI
Assistant Professor (Computer Science)
Asst. Director, BSTI, Kokar

1. Which of the following below is/are the capability of ICMP protocol?
    A. Report package count
    B. Report network congestion
    C. Both band d
    D. Report availability of remote hosts

2. NAT stands for .
    A. network address transformer
    B. network address translator
    C. network address translation
    D. Both B and C above

3. In 10base2, 10base5, what do 2 and 5 stand for?
    A. Speed in Mbps
    B. Number of segments
    C. Length of segment
    D. Size of segment

4. What is the difference between ring and bustopology?
    A. In Ring, all nodes are connected with another in a loop while in the bus they are connected to a central cable
    B. In Ring, all nodes are connected with another loop while on a bus they are connected to a central cable
    C. In the bus, all nodes are connected with another in a loop while instar they are connected to a centralbnode
    D. In Bus all nodes are connected with another loop while instar they are connected to a central cable

5. The physical layer is concerned with the movement of _____ over the physical medium.
- A. programs
- B. dialogs
- C. protocols
- D. Bits

6. Which one of the following functionalities aren't provided by TCP?
- A. Flow control
- B. Addressing
- C. Retransmission of packets as required
- D. Proper sequencing of the packets

7. 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

8. 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

9. The first Network was called
- A. CNNET
- B. NSFNET
- C. ASAPNET
- D. ARPANET

10. Which of the following networks extends a private network across public networks?
    A. Local area network
    B. Virtual private network
    C. Enterprise private network
    D. Storage area network

11. In OSI model, when data is sent from device A to device B, the 5th layer to receive data at B is
    A. Application layer
    B. Transport layer
    C. Link layer
    D. Session layer

12. The protocol data unit (PDU) for the application layer in the Internet stack is
    A. Segment
    B. Datagram
    C. Message
    D. Frame

13. What are the uses of subnetting ?
    A. It divides one large network into several smaller ones
    B. It divides network into network classes
    C. It speeds up the speed of network
    D. None of above

14. The combination of an IP address and a port number is known as.
    A. network number
    B. socket address
    C. subnet mask number
    D. MAC address

15. Your company has a LAN in its downtown office and has now set up aLAN in the manufacturing plant in the suburbs. To enable everyone to share data and resources between the two LANs, what type of device(s) are needed to connect them? Choose the most correct answer.
   A. Modem
   B. Cable
   C. Hub
   D. Router

16. When and where RARP is used intentionally or effectively?
   A. At the time of network booting where no space to store IP address (or diskless network) for address resolution.
   B. In broadcasting to get IP address of Network.
   C. To get the access in private network whenever it is required.
   D. None of the above.

17. An endpoint of an inter-process communication flow across a computer network is called :
   A. socket
   B. pipe
   C. port
   D. none of the mentioned

18. When displaying a web page, the application layer uses the:
   A. HTTP protocol
   B. FTP protocol
   C. SMTP protocol

D. none of the mentioned

19. **Find the FTP reply whose message is wrongly matched:**
    A. 331 – Username OK, password required
    B. 425 – Can't open data connection
    C. 452 – Error writing file
    D. 452 – Can't open data connection

20. **The slowest transmission speeds are those of**
    A. Coaxial cable
    B. Twisted pair wire
    C. Fiber-optic cable
    D. Microwave

21. **If a file consisting of 50,000 characters takes 40 seconds to send, then the data rate is .**
    A. 1 kbps
    B. 1.25 kbps
    C. 2 kbps
    D. 10 kbps

22. **Which address is the loopback address?**
    A. 0.0.0.1
    B. 127.0.0.0
    C. 127.0.0.1
    D. 255.255.255.255

23. **The basic Ethernet design does not provide.**
    A. access control
    B. addressing
    C. automatic retransmission of a message
    D. multiple virtual networks

24. **Which utility is an all-purpose tool for troubleshooting TCP/IP problems?**

A. NBTSTAT
B. Netstat
C. PING
D. Hostname

25. Which of the following is a MAC address?

A. 192.166.200.50
B. 00056A:01A01A5CCA7FF60
C. 568, Airport Road
D. 01:A5: BB: A7: FF: 60

Computer Networks with Bharat Sir, BSTI, Kokar, Ranchi

ANSWER					
1.	C	11.	D	21.	D
2.	C	12.	C	22.	C
3.	B	13.	A	23.	C
4.	A	14.	B	24.	C
5.	D	15.	D	25.	D
6.	B	16.	A		
7.	B	17.	A		
8.	A	18.	A		
9.	D	19.	D		
10.	B	20.	B		