CHAPTER 2 PART 1

Question Bank

Helping Others Have Special taste

Questions

1- Which is not a application layer protocol?
a) HTTP b) SMTP c) FTP   d) TCP

2-The packet of information at the application layer is called
_____
a) Packet   b) Message   c) Segment   d) Frame

3-Which one of the following is an architecture paradigms?
a) Peer to peer   b) Client-server   c) HTTP   d) Both Peer-to-Peer & Client-Server

4-Application developer has permission to decide the following on transport layer side
a) Transport layer protocol   b) Maximum buffer size
c) Both Transport layer protocol and Maximum buffer size   d) None of the mentioned

5- Application layer offers _____ service.
a) End to end   b) Process to process   c) Both End to end and Process to process
d) None of the mentioned

6-E-mail is _____
a) Loss-tolerant application   b) Bandwidth-sensitive application
c) Elastic application   d) None of the mentioned

7-Electronic mail uses which Application layer protocol?
a) SMTP b) HTTP c) FTP   d) SIP

8-Which one of the following allows a user at one site to establish a connection to another site and then pass keystrokes from local host to remote host?
a) HTTP   b) FTP   c) Telnet   d) TCP

9-Application layer protocol defines _____
a) types of messages exchanged   b) message format, syntax and semantics
c) rules for when and how processes send and respond to messages   d)all

10-When displaying a web page, the application layer uses the _____
a) HTTP protocol   b) FTP protocol   c) SMTP protocol   d) TCP protocol

11-The number of objects in a Web page which consists of 4 jpeg images and HTML text is _____
a) 4   b) 1 c) 5 d) 7

12-The default connection type used by HTTP is _____
a) Persistent   b) Non-persistent
c) Can be either persistent or non-persistent depending on connection request
d) None of the mentioned

13-The time taken by a packet to travel from client to server and then back to the client is called _____
a) STT   b) RTT   c) PTT   d) JTT

14-The HTTP request message is sent in _____ part of three-way handshake.
a) First   b) Second   c) Third   d) Fourth

15-In the process of fetching a web page from a server the HTTP request/response takes _____ RTTs.
a) 2   b) 1   c) 4   d) 3

16-The first line of HTTP request message is called _____
a) Request line   b) Header line   c) Status line d) Entity line

17-The HTTP response message leaves out the requested object when _____ method is used
a) GET   b) POST   c) HEAD   d) PUT

18- HTTP is _____ protocol.
a) application layer   b) transport layer c) network layer d) data link layer

19-FTP server listens for connection on port number _____
a) 20   b) 21   c) 22   d) 23

20-in FTP protocol, client contacts server using _____ as the transport protocol.
a) transmission control protocol   b) user datagram protocol
c) datagram congestion control protocol   d) stream control transmission protocol

21-In Active mode FTP, the client initiates both the control and data connections.
a) True   b) False

client => control connection
server => data connection

22-In File Transfer Protocol, data transfer cannot be done in _____
a) stream mode b) block mode c) compressed mode d) message mode

23-Expansion of FTP is _____
a) Fine Transfer Protocol   b) File Transfer Protocol
c) First Transfer Protocol   d) Fast Transfer Protocol

24-FTP is built on _____ architecture.
a) Client-server   b) P2P c) Data centric d) Service oriented

25-FTP server _____
a) Maintains state information   b) Is stateless
c) Has single TCP connection for a file transfer   d) Has UDP connection for file transfer

26- The data transfer mode of FTP, in which all the fragmenting has to be done by TCP is _____
a) Stream mode b) Block mode   c) Compressed mode d) Message mode

27-When the mail server sends mail to other mail servers it becomes _____
a) SMTP server   b) SMTP client   c) Peer   d) Master

28-If you have to send multimedia data over SMTP it has to be encoded into _____
a) Binary   b) Signal   c) ASCII   d) Hash

29-Expansion of SMTP is _____
a) Simple Mail Transfer Protocol   b) Simple Message Transfer Protocol
c) Simple Mail Transmission Protocol   d) Simple Message Transmission Protocol

30-The underlying Transport layer protocol used by SMTP is _____
a) TCP   b) UDP   c) Either TCP or UDP   d) IMAP

31-Internet mail places each object in _____
a) Separate messages for each object   b) One message
c) Varies with number of objects   d) Multiple messages for each object

32-Typically the TCP port used by SMTP is _____
a) 25   b) 35   c) 50   d) 15

33-Which of the following protocol is not used to receive mail messages?
a) SMTP   b) Post Office Protocol (POP)
c) Internet Message Access Protocol (IMAP)   d) FTP

34-An email client needs to know the _____ of its initial SMTP server.
a) IP address   b) MAC address   c) URL   d) Name

35-SMTP defines _____
a) message transport   b) message encryption c) message content   d) message password

36- SMTP is not used to deliver messages to _____
a) user's terminal   b) user's mailbox c) user's word processor   d) user's email client

37-The file transfer protocol is built on

 a) data centric architecture   b) service oriented architecture

c) client server architecture   d) none of the mentioned

38-In file transfer protocol, data transfer can be done in

a) stream mode b) block mode c) compressed mode d) all of the mentioned

39-A web cookie is a small piece of data

a) sent from a website and stored in user's web browser while a user is browsing a website

b) sent from user and stored in the server while a user is browsing a website

c) sent from root server to all servers   d) none of the mentioned

40-What is a web browser?

a) a program that can display a web page   b) a program used to view html documents

c) it enables user to access the resources of internet   d) all of the mentioned

41.   Is one of the application structure/architectures ………….
   a. P2P   b. client-server   c .costumer-server   d. a and b

42.   …….. is new peers bring new service capacity, as well as new service demands
   a. Self scalability   b. self tighten   c. Vertical Scalability   d. Horizontal Scalability

43.   Is a data center for scaling ……………
   a. Clients   b. applications   c. servers   d. none of these

44.   Is a connection-oriented protocol ……………
    a. TCP   b. UDP   c.HTTP   d. FTP

45.   ………… process that waits to be contacted

   a. Server process   b. application process   c. client process

    d. none of these

46.   May have a dynamic ip ………………
   a. Clients   b. applications   c. servers   d. none of these

47. **Have a permanent ip ……………………..**
    a. Clients   b. applications   c. servers   d. none of these

48. **Application layer offers _____ service.**
    a. End to end b. Process to process c. Both End to end and Process to process d. None of these.

49. **Protocol doesn't provide reliability, flow control and security ……..**
    a. HTTP   b. FTP   c. TCP   d.UDP

50. **Ip address of host device in addressing process is a ……… bit .**
    a. 48   b.16   c. 32   d. none of these .

51. **Reliable transport protocol ………….**
    a. UDP   b.TCP   c.HTTP   d. ARP

52. **If HTTP response status code is 505 that means request is ……..**
    a. Bad   b. OK   c. not found   d.HTTP version not supported

53. **……………. process that initiates communication**
    a. Server process   b. application process   c. client process
       d. none of these

54. **Identifier has ……………**
    a. Port number only   b. ip address only   c. none   d. both a and b .

55. **SMTP: each object encapsulated in its own response msg**
    a. True   b. false

56. **In which app data integrity done ……. Layer .**
    a. Application   b . transport   c. network   d. physical

57. **HTTP response status code ……….. if requested object moved .**
    a. 400   b. 404   c. 301   d.505

58. **Port number of HTTP ……………**
    a. 80   b. 110   c. 25   d. 30

59. **APPs use ………………. Libraries to talk to TCP**
    a. TLS   b . SSL   c. UDP   D. none of these

60. **……………. time for a small packet to travel from client to server and back**

   a. Transfer time   b. delay time   c. RTT d. HTTP response time

61.   HTTP response status code ……….. if request successeded.
   a. 404   b. 505   c. 400   d. 200

62. Web caches satisfy client request without involving origin server.
   a. True   b. false

63.   If the data we send to server up to data in the cache what is the HTTP
   response status code ………. not modified .
   a. 301   b. 304   c. 200   d.505

64.   TCP data connection at port …………
   a. 21   b . 20   c. 22   d. 25

65.   SMTP protocol uses temporary connection .
   a. True   b. false

66.   FTP client contacts FTP server at port …………….
   a. 21   b . 20   c. 22   d.25

67.   …………….. is consider as a major component of electronic mail.
   a. User agent   b. mail server   c. mail transfer protocol d. all

68.   Port number of SMTP …………….
   a. 22   b. 25   c. 21   d.20

69.   ………………. Phases of SMTP
   a. Greeting   b. transfer of messages   c.closure   d. all

70.   When we send mail we use …….. protocol .
   a. SMTP   b. ARP   c. pop   d. none

71.   Port number of pop3 ………….
   a. 25   b.110   c. 80   d.21

Answers

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

24.	*A*
25.	*A*
26.	*A*
27.	*B*
28.	*C*
29.	*A*
30.	*A*
31.	*B*
32.	*A*
33.	*D*
34.	*A*
35.	*A*
36.	*C*
37.	*C*
38.	*D*
39.	*A*
40.	*D*
41.	*D*
42.	*A*
43.	*C*
44.	*A*
45.	*A*
46.	*A*
47.	*C*
48.	*A*
49.	*D*
50.	*C*
51.	*B*
52.	*D*
53.	*C*

54.	D
55.	B
56.	B
57.	C
58.	A
59.	B
60.	C
61.	D
62.	A
63.	B
64.	B
65.	B
66.	A
67.	D
68.	B
69.	D
70.	A
71.	B

We Hope we could Help You

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