

MULTIPLE CHOICE QUESTIONS IN DATA COMMUNICATIONS AND NETWORKING

A Complete Chapter Quiz

Remote Logging, Electronic Mail, and File Transfer

Compilation of all the quizzes (MCQs) for each and every chapters in the book of Data Communications and Networking 4th Edition by Behrouz A. Forouzan.

1. When both sender and receiver are connected to a mail server via a LAN or a WAN, we need _____.

A) two UAs, two pairs of MTAs, and a pair of MAAs

B) two UAs, and two pairs of MTAs

C) two UAs, two pairs of MTAs, and two pairs of MAAs

D) none of the above

2. The actual mail transfer is done through _____.

A) UAs

B) MTAs

C) MAAs

D) none of the above

3. If the sender wants an option enabled by the receiver, it sends a _____ command.

A) WILL

B) DO

C) WONT

D) none of the above

4. When the sender is connected to the mail server via a LAN or a WAN, we need _____.

A) two MTA

B) two UAs and two pairs of MTAs

C) two UAs and a pair of MTAs

D) none of the above

5. The _____ usually contains the sender address, the receiver address, and other information.

A) message

B) envelope

C) both a and b

D) none of the above

6. NVT uses two sets of characters, one for _____ and one for _____.

A) sending; receiving

B) request; reply

C) data; control

D) none of the above

7. In FTP, ASCII, EBCDIC, and image define an attribute called _____.

A) file type

B) data structure

C) transmission mode

D) none of the above

8. The third stage in an email transfer needs a _____ protocol.

A) pull

B) push

C) both a and b

D) none of the above

9. _____ is the standard mechanism provided by TCP/IP for copying a file from one host to another.

A) TELNET

B) SMTP

C) TFTP

D) none of the above

10. In the _____ mode, each character typed is sent by the client to the server.

A) default

B) character

C) line

D) none of the above

11. The _____ is software residing on the remote system that allows the remote system to receive characters from a TELNET server.

A) terminal driver

B) pseudoterminal driver

C) TELNET client

- D) none of the above
12. FTP uses the services of _____.
- A) UDP
- B) IP
- C) TCP
- D) none of the above
13. For the control connection, FTP uses the _____ character set.
- A) regular ASCII
- B) EBCDIC
- C) NVT ASCII
- D) none of the above
14. In FTP, when we _____, it is copied from the client to the server.
- A) retrieve a file
- B) store a file
- C) retrieve a list
- D) none of the above
15. During an FTP session the data connection is opened _____.
- A) exactly once
- B) exactly twice
- C) as many times as necessary
- D) none of the above
16. In FTP, _____ is the service type used by the IP protocol because this is an interactive connection between a user (human) and a server.
- A) maximize throughput
- B) minimize delay
- C) minimize error
- D) none of the above
17. When a user wants to access an application program or utility located on a remote machine, he or she performs _____ login.
- A) local
- B) remote
- C) temporary
- D) none of the above
18. The third stage in an email transfer uses a(n) _____ protocol.
- A) UA
- B) MTA
- C) MAA
- D) none of the above
19. TELNET uses only one TCP connection. The server uses _____ port and the client uses _____ port.
- A) a well-known; another well-known
- B) an ephemeral; another ephemeral
- C) a well-known; an ephemeral
- D) none of the above
20. For control, NVT uses US ASCII characters with the highest order bit set to _____.
- A) 1
- B) 0
- C) a or b
- D) none of the above
21. The formal protocol that defines the MTA client and server in the Internet is called _____.
- A) SMTP
- B) SNMP
- C) TELNET
- D) none of the above
22. _____ is a supplementary protocol that allows non-ASCII data to be sent through email.
- A) JPEG
- B) MPEG
- C) MIME
- D) none of the above

23. Which of the following services is not provided by a UA?

- A) composing messages
- B) reading messages
- C) replying messages
- D) all are

24. If the sender wants to enable an option, it sends a _____ command.

- A) WILL
- B) DO
- C) WONT
- D) none of the above

25. In FTP, when we _____, it is copied from the server to the client.

- A) retrieve a file
- B) retrieve a list
- C) a and b
- D) none of the above

26. TELNET is an abbreviation for _____.

- A) terminal network
- B) telephone network
- C) telecommunication network
- D) none of the above

27. When a user logs into a local time-sharing system, it is called _____ login.

- A) local
- B) remote
- C) temporary
- D) none of the above

28. Which part of the mail created by the UA contains the sender and receiver names?

- A) envelope
- B) address
- C) header
- D) none of the above

29. _____ is part of a local hard drive, a special file with permission restrictions.

- A) A message
- B) A response
- C) An agent
- D) none of the above

30. _____ provides service to the user to make the process of sending and receiving a message easier.

- A) An MTA
- B) An MAA
- C) A UA
- D) none of the above

31. The message contains the _____ and the _____.

- A) header; envelop
- B) header; body
- C) envelop; body
- D) none of the above

32. In the _____ mode, line editing (echoing, character erasing, line erasing, and so on) is done by the client.

- A) default
- B) character
- C) line
- D) none of the above

33. The MIME _____ header uses text to describe the type of data in the body of the message.

- A) content-type
- B) content-transfer-encoding
- C) content-description
- D) none of the above

34. If the sender wants to disable an option, it sends a _____ command.

- A) WILL
- B) DO
- C) WONT

- D) none of the above
35. SMTP is a _____ protocol.
- A) pull
- B) push**
- C) both a and b
- D) none of the above
36. In FTP, there are three types of _____: stream, block, and compressed.
- A) file types
- B) data structures
- C) transmission modes**
- D) none of the above
37. For data, NVT uses US ASCII characters with the highest order bit set to _____.
- A) 1
- B) 0**
- C) a or b
- D) none of the above
38. The _____ translates NVT characters into a form acceptable by the remote operating system.
- A) terminal driver
- B) TELNET client
- C) TELNET server**
- D) none of the above
39. When the sender and the receiver of an email are on the same system, we need only _____.
- A) one UA
- B) two UAs**
- C) one UA and one MTA
- D) none of the above
40. In the Internet, the email address consists of two parts: a _____ and a _____.
- A) local part; domain name**

- B) global part; domain name
- C) label; domain name
- D) none of the above
41. To distinguish data from control characters, each sequence of control characters is preceded by a special control character called _____.
- A) ICA
- B) IAC**
- C) AIC
- D) none of the above
42. When the sender and the receiver of an email are on different systems, we need only _____.
- A) one MTA
- B) two UAs
- C) two UAs and one pair of MTAs**
- D) none of the above
43. During an FTP session the control connection is opened _____.
- A) exactly once**
- B) exactly twice
- C) as many times as necessary
- D) none of the above
44. If the sender wants an option disabled by the receiver, it sends a _____ command.
- A) WILL
- B) DO
- C) DONT**
- D) none of the above
45. The _____ translates local characters into NVT form.
- A) terminal driver
- B) TELNET client**
- C) TELNET server
- D) none of the above

46. Currently two message access protocols are available: _____ and _____.

- A) POP3; IMAP2
- B) POP4; IMAP1
- C) POP3; IMAP4
- D) none of the above

47. TELNET is a _____ client-server application program.

- A) specific-purpose
- B) general-purpose
- C) both a and b
- D) none of the above

48. In FTP, a file can be organized into records, pages, or a stream of bytes. These are types of an attribute called _____.

- A) file types
- B) data structures
- C) transmission modes
- D) none of the above

49. The process of transferring a mail message occurs in _____ phases.

- A) two
- B) four
- C) five
- D) none of the above

50. In FTP, the well-known port ____ is used for the control connection and the well-known port _____ for the data connection.

- A) 21; 22
- B) 21; 20
- C) 20; 21
- D) none of the above

51. In the _____ mode, the echoing is done by the client.

- A) default

- B) character
- C) line
- D) none of the above

52. There are two types of user agents: _____ and _____.

- A) command-driven; data-driven
- B) command-driven; GUI-based
- C) command-based and data-based
- D) none of the above

53. _____ is more powerful and complex than _____.

- A) POP3; IMAP4
- B) IMAP4; POP3
- C) SMTP; POP3
- D) none of the above