

All the Multiple Choice Question and Answer (MCQs) have been compiled from the books of Data Communication and Networking by the well known author **behrouz A forouzan**.

This Data Communication and Networking – **Remote Logging, Electronic Mail, and File Transfer** multiple choice Questions and Answers (MCQ) PDF covers the below lists of topics.

1. Simple Mail Transfer Protocol (SMTP) MCQs.
2. Multipurpose Internet Mail Extension (MIME) MCQs.
3. Post Office Protocol, version 3 (POP3) and Internet Mail Access Protocol, version 4 (IMAP4) MCQs.
4. File transfer protocol (FTP) – a TCP/IP client-server application MCQs.

Practice now to sharpen your concept.

- 1. TELNET is an abbreviation for _____.**
 - A. terminal network
 - B. telephone network
 - C. telecommunication network
 - D. none of the above

- 2. TELNET is a _____ client-server application program.**
 - A. specific-purpose
 - B. general-purpose
 - C. both a and b
 - D. none of the above

3. 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

4. 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

5. 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

6. 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

7. 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

8. 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

9. 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

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

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

Answer key for MCQ SET- 1	
Q-1	Correct Answer :terminal network
Q-2	Correct Answer :general-purpose
Q-3	Correct Answer :local

Q-4	Correct Answer :remote
Q-5	Correct Answer :data; control
Q-6	Correct Answer :0
Q-7	Correct Answer :1
Q-8	Correct Answer :a well-known; an ephemeral
Q-9	Correct Answer :IAC
Q-10	Correct Answer :default

Remote Logging, Electronic Mail, and File Transfer multiple choice questions and answers MCQ Set-2

1. 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

2. _____ 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

3. 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

4. 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

5. 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

6. The _____ translates local characters into NVT form

- A. terminal driver
- B. TELNET client
- C. TELNET server
- D. none of the above

7. 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

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

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

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

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

10. 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

Answer key for MCQ SET- 2	
Q-1	Correct Answer :DO
Q-2	Correct Answer :none of the above
Q-3	Correct Answer :character
Q-4	Correct Answer :line
Q-5	Correct Answer :pseudoterminal driver
Q-6	Correct Answer :TELNET client
Q-7	Correct Answer :TELNET server

Q-8	Correct Answer :WONT
Q-9	Correct Answer :WILL
Q-10	Correct Answer :DONT

Remote Logging, Electronic Mail, and File Transfer multiple choice questions and answers MCQ Set-3

- 1. FTP uses the services of _____**
 - A. UDP
 - B. IP
 - C. TCP
 - D. none of the above

- 2. 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

- 3. 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

- 4. For the control connection, FTP uses the _____ character set**
- A. regular ASCII
 - B. EBCDIC
 - C. NVT ASCII
 - D. none of the above
- 5. 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
- 6. 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
- 7. 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
- 8. 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

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

- _____
- A. file type
 - B. data structure
 - C. transmission mode
 - D. none of the above

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

- A. retrieve a file
- B. retrieve a list
- C. a and c
- D. none of the above

Answer key for MCQ SET- 3	
Q-1	Correct Answer :TCP
Q-2	Correct Answer :21; 20
Q-3	Correct Answer :minimize delay
Q-4	Correct Answer :NVT ASCII
Q-5	Correct Answer :exactly once
Q-6	Correct Answer :as many times as necessary
Q-7	Correct Answer :data structures
Q-8	Correct Answer :transmission modes

Q-9	Correct Answer :file type
Q-10	Correct Answer :a and c

Remote Logging, Electronic Mail, and File Transfer multiple choice questions and answers MCQ Set-4

1. 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

2. _____ 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

3. 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

- 4. 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
- 5. 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
- 6. 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
- 7. _____ 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
- 8. Which of the following services is not provided by a UA?**
- A. composing messages

- B. reading messages
- C. replying messages
- D. all are

- 9. 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

- 10. 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

Answer key for MCQ SET- 4	
Q-1	Correct Answer :store a file
Q-2	Correct Answer :None of the above
Q-3	Correct Answer :two UAs
Q-4	Correct Answer :two UAs and one pair of MTAs
Q-5	Correct Answer :two UAs and two pairs of MTAs
Q-6	Correct Answer :two UAs, two pairs of MTAs, and a pair of MAAs
Q-7	Correct Answer :A UA
Q-8	Correct Answer :all are
Q-9	Correct Answer :command-driven; GUI-based

Q-10	Correct Answer :envelope
------	--------------------------

Remote Logging, Electronic Mail, and File Transfer multiple choice questions and answers MCQ Set-5

- 1. The message contains the _____ and the _____**
 - A. header; envelop
 - B. header; body
 - C. envelop; body
 - D. none of the above

- 2. 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

- 3. _____ 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

- 4. The actual mail transfer is done through _____**
 - A. UAs

- B. MTAs
- C. MAAs
- D. none of the above

5. 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

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

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

7. SMTP is a _____ protocol

- A. pull
- B. push
- C. both a and b
- 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. The third stage in an email transfer uses a(n) _____ protocol

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

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

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

Answer key for MCQ SET- 5	
Q-1	Correct Answer :header; body
Q-2	Correct Answer :local part; domain name
Q-3	Correct Answer :MIME
Q-4	Correct Answer :MTAs
Q-5	Correct Answer :SMTP
Q-6	Correct Answer :none of the above
Q-7	Correct Answer :push
Q-8	Correct Answer :pull
Q-9	Correct Answer :MAA
Q-10	Correct Answer :POP3; IMAP4