

# 20 MCQ Of Computer Networks For IBPS IT Officer Exam

1) A \_\_\_\_\_ document is a fixed-content document that is created and stored in a server. The client can get a copy of the document only.

- A) static
- B) dynamic
- C) active
- D) none of the above

2) Active documents are sometimes referred to as \_\_\_\_\_ dynamic documents.

- A) client-site
- B) server-site
- C) both a and b
- D) none of the above

3) For many applications, we need a program or a script to be run at the client site. These are called \_\_\_\_\_ documents.

- A) static
- B) dynamic
- C) active
- D) none of the above

4) The HTTP request line contains a \_\_\_\_\_ method to get information about a document without retrieving the document itself.

- A) HEAD
- B) POST
- C) COPY
- D) none of the above

5) \_\_\_\_\_ is a technology that creates and handles dynamic documents.

- A)GIC
- B)CGI
- C)GCI
- D)none of the above

6)In a \_\_\_\_\_connection, the server leaves the connection open for more requests after sending a response.

- A)persistent
- B)nonpersistent
- C)both a and b
- D)none of the above

7)In HTTP, the first line in a request message is called a \_\_\_\_\_ line; the first line in the response message is called the \_\_\_\_\_ line.

- A)request; response
- B)response; request
- C)response; status
- D)none of the above

8)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

9)The actual mail transfer is done through \_\_\_\_\_.

- A)UAs
- B)MTAs
- C)MAAs
- D)none of the above

10)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

11)In FTP, ASCII, EBCDIC, and image define an attribute called \_\_\_\_\_.

A)file type

B) data structure

C)transmission mode

D)none of the above

12)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

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, \_\_\_\_\_ 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

15)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

16)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

17)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

18)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

19)SMTP is a \_\_\_\_\_protocol.

A)pull

B)push

C)both a and b

D)none of the above

20)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

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- 1)a
- 2)a
- 3)c
- 4)a
- 5)b
- 6)a
- 7)d
- 8)a
- 9)b
- 10)c
- 11)a
- 12)b
- 13)c
- 14)b
- 15)b
- 16)a
- 17)a
- 18)c
- 19)b
- 20)a

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## Computer Networks MCQ-5

- 1)Which of the following type of ICMP messages need to be encapsulated into an IP datagram
  - a)time exceeded
  - b)multicasting
  - c)echo reply
  - d)all of the above

- 2) Which layer deal with
- 1) File system transfer
  - 2) Virtual terminals implementation
  - 3) Inter process communication
    - a) Application
    - b) Presentation
    - c) Session
    - d) Transport

3) Which of the following error detection method consists of just one redundant bit per data unit?

- a) Checksum
- b) LRC
- c) CRC
- d) VRC

4) Adaptive or dynamic directory used in packet routing changes

- a) within each user session
- b) with each user session
- c) at system generation time only
- d) none of these

5) Which of the following TCP/IP internet protocol a diskless machine uses to obtain its IP address from a server?

- a) RDP
- b) RARP
- c) RIP
- d) X.25

6) How many digit of the DNIC (Data Network Identification Code) identify the country?

- a) First Three
- b) First Four
- c) First Five
- d) First Six

7) Start and stop bits do not contain an information, but are used in serial communication for

- a)error detection
- b)synchronization
- c)error correction
- d)slowing down the communication

8)The frame relay committed information rate represents

- a)maximum data rate on the network
- b)steady state data rate on the network
- c)minimum data rate on the network
- d) interface data rate

9)The.....measures the number of lost or garbled messages as a fraction of the total sent in the sampling period.

- a)Residual Error rate
- b)Transfer failure probability
- c)Connection release failure probability
- d)Connection establishment failure probability

10)Which of the following TCP/IP protocol is used for the file transfer with minimal capability and minimal overhead?

- a)RARP
- b)FTP
- c>TFTP
- d)TELNET

**Answers :**

- 1)d
- 2)a
- 3)d
- 4)a
- 5)b
- 6)a
- 7)b
- 8)c
- 9)a
- 10)c

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# Computer Networks MCQ-4

1) In the Ethernet network, What method is used to access the media?

- a) Demand priority
- b) CSMA/CD
- c) Polling
- d) CSMA/CA
- e) None of these

2) Which of the following Ethernet components is unique for each card created?

- a) Frame Type
- b) CRC Address
- c) IRQ
- d) MAC Address
- e) None of these

3) ALOHA

- a) is used for channel allocation problem
- b) is use of data transfer
- c) is buffering
- d) all of the above
- e) None of these

4) Which project 802 standard provides for a collision free protocol?

- a) 802.2
- b) 802.3
- c) 802.5
- d) 802.4
- e) None of these

5) Unnumbering frame in HDLC are used for



- a) Unnumbering a frame
- b) Deleting a frame
- c) System Management
- d) Adding frame
- e) None of these

6) The store and forward mechanism is used in.....

- a) Packet switching
- b) Message switching
- c) Circuit switching
- d) Datagram switching
- e) None of these

7) Which one is the least expensive that can support 100Mbps?

- a) Coaxial
- b) UTP
- c) Fibre-optic
- d) STP
- e) None of these

8) Broadband uses

- a) Manchester encoding
- b) FSK encoding
- c) ASK encoding
- d) PSK encoding
- e) None of these

9) In CRC Checking, the divisor is .....the CRC

- a) One bit less than
- b) One bit more than
- c) The same size as
- d) These bits more than
- e) None of these

10) In the 1-persistent approach when a station finds an idle line, it.....

- a) Waits 1s before sending
- b) It waits for a random amount of time

- c)Its sends immediately
- d)Its sends 0.1 sec before sending
- e)None of these

**Answers:**

- 1)b
- 2)d
- 3)a
- 4)c
- 5)c
- 6)b
- 7)b
- 8)d
- 9)b
- 10)c

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## **Computer Network MCQ-3**

**1)What kind of scheme is the HTTP protocol?**

- a)get/put
- b)store/forward
- c)queuing
- d)search/return
- e)request/response

**2)Which of the following is used for integrity?**

- a)DES
- b)Diffie-Hellman
- c)SED
- d)AES
- e)MD5

**3)Which tool is used to test serial and parallel ports?**

- a)high volt probe

- b) cable scanner
- c) loop backs(wrap plugs)
- d) sniffer
- e) None of these

**4) TCP is**

- a) reliable connection oriented protocol
- b) unreliable connection oriented protocol
- c) reliable connection less protocol
- d) unreliable connectionless protocol
- e) None of these

**5) What is the name of protocol used in eliminate loops?**

- a) Switching
- b) ISL
- c) Frame tagging
- d) Spanning Tree Protocol
- e) None of these

**6) Print server uses .....which is a buffer that holds before it is send to the printer**

- a) Queue
- b) Spool
- c) Node
- d) Stack
- e) None of these

**7) If you want to locate the hardware address of a local device, which protocol would you use?**

- a) ARP
- b) RARP
- c) ICMP
- d) PING
- e) PONG

**8) Which of the following function is not performed by TCP?**

- a) Flow Control
- b) Sequencing

- c)Error Checking
- d)Subnetting
- e)None of these

**9)A communication medium where data are transformed into light pulses is**

- a)Coaxial Cable
- b)Optical Fibre
- c)Satellite
- d)Twisted-pair Cable
- e)Copper Cable

**10)FDDI is**

- a)Ring Network
- b)Star Network
- c)Mesh Network
- d)Bus Based Network
- e)None of these

**Answers:**

- 1)e
  - 2)e
  - 3)c
  - 4)a
  - 5)d
  - 6)b
  - 7)a
  - 8)d
  - 9)b
  - 10)a
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# Computer Networks MCQ-2

## **1)Frame Relay**

- a)does not use error correction routine
- b)is used by facsimile machines
- c)uses error correction routines
- d)does not work weel on the internet
- e)is an outdated technology

## **2)At..... layer,TCP/IP defines two protocols: Transmission Control Protocol and User Datagram Protocol(UDP)**

- a)Transport Layer
- b)Network Layer
- c)Physical Layer
- d)Application Layer
- e)None of these

## **3)The .....layer is the layer closest to transmission medium.**

- a)Transport
- b)Network
- c>Data Link
- d)Physical
- e)None of these

## **4)Which protocol does ping use?**

- a)TCP
- b)ARP
- c)ICMP
- d)BootP
- e)None of these

## **5)How many collision domains are created when you segment a network with a 12 port switch?**

- a)1
- b)2
- c)5
- d)12
- e)None of these

**6)Synchronous optical network(SONET)**

- a)It provides away to multiplex digital channels together
- b)It consists of switches, multiplexes and repeaters all connected by fiber
- c)Sonet can be meshed but is often dual ring
- d)All of the above
- e)None of these

**7)Packages are used**

- a)to avoid name collision
- b)to determine the accessibility of variables
- c)to fast retrieving
- d)All of the above
- e)None of these

**8)What is main reason for OSI model creation**

- a)To create a layered model larger than the DoD model
- b)Application developers can change only one layers protocol at a time
- c)So different networks could communicate
- d)Cisco could use the model
- e)None of these

**9)Which of the following forms does not describe parallel ATA devices**

- a)SCSI
- b)IOE and DOE
- c)IOE
- d)DOE
- e) ATA

**10)Which of the following could be a legitimate Media Access Control Address**

- a)192.168.254.3
- b)3FA2.4756.F9A3
- c)A5514
- d)C1.3A.77.5B
- e)None of these

**Answers:**

- 1)a
- 2)a
- 3)d
- 4)c
- 5)d
- 6)d

- 7)a
  - 8)c
  - 9)a
  - 10)d
- 

## Computer Networks MCQ-1

**1)Common Gateway Interface(CGI) is which of the following?**

- a)An interface that accepts and returns a data that may be written in SQL
- b)A small program that executes within other application and is stored on the server
- c)A small program that executes within other application and is stored on the client.
- d)A small program that executes within other application
- e)An Interface that accepts and returns data that may be written in any language that produce executable file

**2).....is a standard for security that is inclined at the network or packet processing layer of network communications, as opposed to the application layer**

- a)Passive FTP
- b)TCP
- c)IPSec
- d)S-HTTP
- e)None of these

**3)In addition to an internet connection, which of the following is needed to ?**

- a)Telnet client
- b)Scanner
- c)Mail Client
- d)HP Client
- e)Web Browser

4) **Which amongst the following is not an advantage of distributed system?**

- a) Reliability
- b) Incremental Growth
- c) Resource Sharing
- d) Low Cost
- e) None of these

5) **Link Encryption**

- a) is more secure than end to end encryption
- b) is less secure than end to end encryption
- c) cannot be used in public network
- d) is used only to debug
- e) None of these

6) **Which of the following OSI level is more closely related to the physical communications facilities?**

- a) Application
- b) Session
- c) Network
- d) Data link
- e) None of these

7) **Handshaking is**

- a) Synchronous type
- b) asynchronous
- c) Sequential
- d) All of the above
- e) None of these

8) **Which of the following is a variation of Frequency Division Multiplexing(FDM)?**

- a) Time Division Multiplexing(TDM)
- b) Pulse Code Multiplexing(PCM)
- c) Wavelength Division Multiplexing
- d) All of above
- e) None of these



**9)What is ISL used for?**

- a)To allow an Ethernet interface to understand frame tags
- b)To make two Ethernet interfaces appear as one
- c)To connect an Ethernet switch with a high-speed core switch such as ATM
- d)To allow simultaneous routing and switching
- e)None of these

**10)Which uses a Pre Shared Key that is more than 7 and less than 64 characters in length?**

- a)WPA-PSK
- b)TKIP
- c)AES
- d)All of the above
- e)None of these

**Answers:**

- 1)e
- 2)c
- 3)e
- 4)a
- 5)a
- 6)d
- 7)a
- 8)c
- 9)a
- 10)d