

18CSC302J-COMPUTER NETWORKS
QUESTION BANK
UNIT-III

(MULTIPLE CHOICE QUESTIONS)

S.NO	QUESTION	BLOOMS LEVEL	CLO
1.	<p>The entire host name has a maximum of _____</p> <p>a) 255 characters</p> <p>b) 127 characters</p> <p>c) 63 characters</p> <p>d) 31 characters</p> <p>Answer:</p> <p>a. 255 characters</p>	L1	CLO2
2.	<p>The right to use a domain name is delegated by domain name</p> <p>a) internet society</p> <p>b) Internet architecture board</p> <p>c) internet research task force</p> <p>d) internet corporation for assigned names and numbers</p> <p>Answer:</p> <p>d. internet corporation for assigned names and numbers</p>	L1	CLO2
3.	<p>_____ is a form of nasty online attack in which a user gets redirects queries to a DNS because of override of system's TCP/IP settings.</p> <p>a) DNS mal functioning</p> <p>b) DNS cracking</p> <p>c) DNS redirecting</p> <p>d) DNS hijacking</p> <p>Answer:</p> <p>d. DNS hijacking</p>	L1	CLO2
4.	<p>A -----that maps each address to a unique name.</p>	L1	CLO2

	<ul style="list-style-type: none"> a. name space b. address space c. memory space d. control space <p>Answer:</p> <ul style="list-style-type: none"> a. name space 		
5.	<p>What is the port no of dns?</p> <ul style="list-style-type: none"> a)53 b)443 c) 80 d)22 <p>Answer:</p> <ul style="list-style-type: none"> a.53 	L1	CLO2
6.	<p>A -----is a domain name consisting of labels beginning with the host and going back through each level to the root node.</p> <ul style="list-style-type: none"> a) FQDN b) PQDN c) SOA d) DDNS <p>Answer:</p> <ul style="list-style-type: none"> a. FQDN 	L1	CLO2
7.	<p>When the secondary downloads information from the primary, it is called -----</p> <ul style="list-style-type: none"> a. Primary server b. zone transfer c. Secondary server d. Root server <p>Answer:</p> <ul style="list-style-type: none"> b. zone transfer 	L1	CLO2
8.	<p>Each node in the tree has a -----</p>	L1	CLO2

	<p>c. Name space</p> <p>d. Domain name</p> <p>e. Label</p> <p>f. Address</p> <p>Answer:</p> <p>b. Domain name</p>		
9.	<p>Determine which of the following is an FQDN and which is a PQDN:</p> <p>a. xxx</p> <p>b. xxx.yyy.</p> <p>c. xxx.yyy.net</p> <p>d. zzz.yyy.xxx.edu</p> <p>Answer:</p> <p>d. zzz.yyy.xxx.edu</p>	L1	CLO2
10.	<p>Telnet protocol is used to establish a connection to _____</p> <p>a) TCP port number 21</p> <p>b) TCP port number 22</p> <p>c) TCP port number 23</p> <p>d) TCP port number 25</p> <p>Answer:</p> <p>c. TCP port number 23</p>	L1	CLO2
11.	<p>Absolute Telnet is a telnet client for _____ Operating system.</p> <p>a) windows</p> <p>b) linux</p> <p>c) mac</p> <p>d) ubuntu</p> <p>Answer:</p> <p>a. Windows</p>	L1	CLO2
12.	<p>The characters are sent to the TELNET client, which transforms the characters to a universal character set called -----characters and delivers them to the local TCP/IP stack.</p> <p>a) Network Virtual Terminal</p>	L1	CLO2

	b) Data Terminal c) Command line interface d) Remote flow control Answer: a. Network Virtual Terminal		
13.	What is the Configuration File of SSH Client? a. '/etc/ssh/ssh_config ' b. (Config-line) # transport input ssh c. '/ssh/ssh_config' d. (config)# hostname myswitch Answer: a. '/etc/ssh/ssh_config	L1	CLO2
14.	One of the interesting services provided by the SSH protocol is to provide ----- a. Port CONN b. port forwarding c. Port Triggering d. Port auth Answer: b. Port forwarding	L1	CLO2
15.	The well-known port ----- is used for the control connection and the well-known port ----- for the data connection. a. 21,20 b. 20,21 c. 20,20 d. 21,20 Answer: a. 21,20	L1	CLO2
16.	If 5 files are transferred from server A to client B in the same session. The number of TCP connection between A and B is:	L1	CLO2

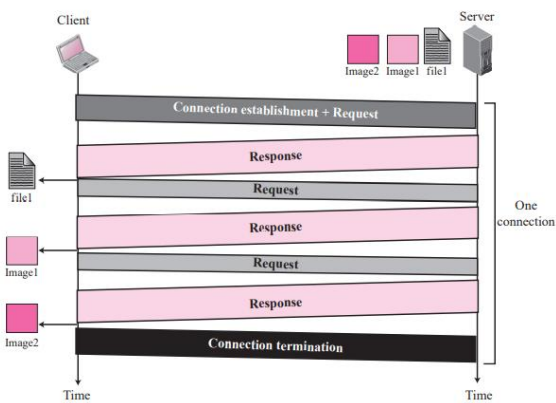
	<p>a. 5</p> <p>b. 6</p> <p>c. 10</p> <p>d. 2</p> <p>Answer:</p> <p>b. 6</p>		
17.	<p>These commands deliver information to the FTP user at the client site.</p> <p>a. STOR</p> <p>b. ALLO</p> <p>c. STAT</p> <p>d. Miscellaneous commands</p> <p>Answer:</p> <p>d.Miscellaneous commands</p>	L1	CLO2
18.	<p>The password is sent to the server using _____ command:</p> <p>a. PASSWD</p> <p>b. PASSWORD</p> <p>c. PASS</p> <p>d. PWD</p> <p>Answer:</p> <p>C. PASS</p>	L1	CLO2
19.	<p>Mode of data transfer in FTP, where all the is left to TCP:</p> <p>a. Stream mode</p> <p>b. Block mode</p> <p>c. Compressed mode</p> <p>d. Control mode</p> <p>Answer:</p> <p>a. Stream mode</p>	L1	CLO2

20.	<p>FTP server is-----</p> <ul style="list-style-type: none"> a. Maintain state b. Is stateless c. Has single TCP connection for a file transfer d. Has multiple TCP connection for a file transfer <p>Answer:</p> <ul style="list-style-type: none"> a. Maintain state 	L1	CLO2
21.	<p>Which of the following is the port number for TFTP service?</p> <ul style="list-style-type: none"> a)69 b)70 c)71 d) 72 <p>Answer:</p> <p>a.69</p>	L1	CLO2
22.	<p>In TFTP, the ----- message is used by the client to establish a connection for writing data to the server.</p> <ul style="list-style-type: none"> a. RRQ b. WRQ c. Mode d. Opcode <p>Answer:</p> <ul style="list-style-type: none"> b. WRQ 	L1	CLO2
23.	<p>The -----message is used by the client or the server when a connection cannot be established or when there is a problem during data transmission</p> <ul style="list-style-type: none"> a. ERROR 	L1	CLO2

	b. READ c. WRITE d. UPDATE Answer: a. ERROR		
24.	The flow- and error-control mechanism in TFTP, it can lead to a problem known as the-----, named for the cartoon character who inadvertently conjures up a mop that continuously replicates itself. a. sorcerer's apprentice bug b. Symmetric c. Asymmetric d. Time out Answer: a. sorcerer's apprentice bug	L1	CLO2
25.	There are ----- types of TFTP messages. a. 5 b. 4 c. 6 d. 3 Answer: a. 5	L1	CLO2
26.	A new type of message, -----, to let the other party accept or reject the options, has also been proposed. a. ACK b. OACK c. OPEN MSG d. CLOSE MSG Answer:	L1	CLO2

	b. OACK		
27.	<p>Web page is a file consists of _____.</p> <p>a. Name</p> <p>b. Address</p> <p>c. MAC address</p> <p>d. Name and Address</p> <p>Answer:</p> <p>d. Name and Address</p>	L1	CLO2
27	<p>The structure of linked elements through which a user can navigate is called _____</p> <p>a. Hyperlinks</p> <p>b. Hypermedia</p> <p>c. Multimedia</p> <p>d. Audio, Video and Graphics</p> <p>Answer:</p> <p>b. Hypermedia</p>	L1	CLO2
28	<p>Which is a standard locator for specifying any kind of information on the Internet?</p> <p>a. Uniform Resource Locator</p> <p>b. Uniform Resource Location</p> <p>c. User Resource Locator</p> <p>d. User Resource Location</p> <p>Answer:</p> <p>a. Uniform Resource Locator</p>	L1	CLO2
29	<p>What is the static document?</p> <p>a. fixed-content document</p> <p>b. fixed-content documents that are created and stored in a client</p> <p>c. fixed-content documents that are created and stored in a server</p> <p>d. stored in a location</p>	L1	CLO2

	<p>Answer:</p> <p>c. fixed-content documents that are created and stored in a server</p>		
30	<p>Which technology creates and handles the dynamic documents?</p> <p>a. Common Gateway Interface</p> <p>b. user Gateway Interface</p> <p>c. Java Applet</p> <p>d. User Interface</p> <p>Answer:</p> <p>a. Common Gateway Interface</p>	L1	CLO2
31	<p>To let client, know about type of document sent, a CGI program creates?</p> <p>a. Body</p> <p>b. Header</p> <p>c. Border</p> <p>d. footer</p> <p>Answer:</p> <p>b. Header</p>	L1	CLO2
32	<p>HTTP is _____ protocol.</p> <p>a. application layer</p> <p>b. transport layer</p> <p>c. network layer</p> <p>d. data link layer</p> <p>Answer:</p> <p>a. application layer</p>	L1	CLO2
33	<p>How many types of message formats are there in HTTP protocols?</p> <p>a. 4</p> <p>b. 2</p> <p>c. 3</p> <p>d. 1</p>	L1	CLO2

	<p>Answer:</p> <p>b. 2</p>		
34	<p>What is the default connection type used by the HTTP ?</p> <p>a. Persistent</p> <p>b. Non-Persistent</p> <p>c. Can either persistent or non-persistent</p> <p>d. Both persistent and non-persistent</p> <p>Answer:</p> <p>a. Persistent</p>	L1	CLO2
35	<p>What's the difference between persistent connection and non-persistent connection?</p> <p>a. non-persistent HTTP 1.0 and persistent HTTP 1.1</p> <p>b. non-persistent HTTP 1.1 and persistent HTTP 1.1</p> <p>c. non-persistent HTTP 1.1 and persistent HTTP 1.0</p> <p>d. non-persistent HTTP 1.0 and persistent HTTP 1.0</p> <p>Answer:</p> <p>a. non-persistent HTTP 1.0 and persistent HTTP 1.1</p>	L1	CLO2
36	 <p>What type of connection is mentioned in the given figure?</p> <p>a. Non-Persistent connection</p> <p>b. Persistent connection</p>	L1	CLO2

	c. UDP Connection d. TCP Connection Answer: b. Persistent connection		
37	A proxy server can act as _____ a. Client b. Server c. Both client and server d. Header Answer: c. Both client and server	L1	CLO2
38	A proxy server is used as the computer? a. with external access b. acting as a backup c. performing file handling d. accessing user permissions Answer: a. with external access	L1	CLO2
39	Which is a client/server protocol designed to provide the four pieces of information for a diskless computer or a computer that is booted for the first time. a. DHCP b. TCP c. UDP d. SMTP Answer: a. DHCP	L1	CLO2
40	The relay agent knows the _____ address of a DHCP server and listens for broadcast messages on port 67.	L1	CLO2

	a. Multicast b. MAC c. Unicast d. Broadcasting Answer: C. Unicast		
41	DHCP is used for a. IPV4 b. IPV6 c. IPV6 and IPV4 d. Not in IPV6 and in IPV4 Answer: c. IPV6 and IPV4	L1	CLO2
42	DHCP uses UDP Port _____ for sending data to the server a. 67 b. 68 c. 69 d. 70 Answer: a. 67	L1	CLO2
43	In DHCP, an Error control is accomplished through a. UDP uses the checksum b. uses timers and a retransmission policy c. check sum, timers and re-transmission policy d. Segments Answer: c. check sum, timers and re-transmission policy	L1	CLO2

44	<p>What are the types of modes available in POP3?</p> <ul style="list-style-type: none"> a. Delete mode b. Insert mode c. Keep mode d. Delete and Keep Mode <p>Answer:</p> <p>d. Delete and Keep Mode</p>	L1	CLO2
45	<p>How is the message sent from a PC2 when it first powers on and attempts to contact the DHCP Server?</p> <ul style="list-style-type: none"> a. Layer 3 unicast b. Layer 3 broadcast c. Layer 3 multicast d. Without any Layer 3 encapsulation <p>Answer:</p> <p>b. Layer 3 broadcast</p>	L1	CLO2
46	<p>How does a DHCP server dynamically assign IP address to host?</p> <ul style="list-style-type: none"> a. Addresses are allocated after a negotiation between the server and the host to determine the length of the agreement. b. Addresses are assigned for a fixed period of time. At the end of period, a new request for an address must be made, and another address is then assigned. c. Addresses are leased to host. A host will usually keep the same address by periodically contacting the DHCP server to renew the lease. d. Addresses are permanently assigned so that the host uses the same address at all times. <p>Answer:</p> <p>C. Addresses are leased to host. A host will usually keep the same address by periodically contacting the DHCP server to renew the lease.</p>	L1	CLO2
47	<p>When the sender and the receiver of an email are on different systems, we need only _____</p> <ul style="list-style-type: none"> a. One MTA b. Two UAs 	L1	CLO2

	c. Two UAs and one MTA d. Two UAs and two MTAs Answer: d. Two UAs and two MTAs		
48	Which one of the following protocols is used to fetch mail from the mail box? a. POP3 b. IMAP c. SMTP d. Telnet Answer: a. POP3	L1	CLO2
49	Which is used by the client to check the status of the recipient? a. NOP b. NOOP c. NO d. Quit Answer: c. NOOP	L1	CLO2
50	Which format is used when the data must be interpreted as a sequence of 8-bit bytes? a. PostScript b. Octet script c. Pre script d. Both Pre and Post Script Answer: b. Octet script	L1	CLO2
	Part-B (4 marks)		
S.NO	QUESTION	BLOOMS LEVEL	CLO

1.	Compare the HTTP and FTP.	L1	CLO2
2.	What are the four properties of HTTP?	L1	CLO2
3.	Discuss the three main divisions of the DNS.	L1	CLO2
4.	Discuss MIME.	L1	CLO2
5.	What is a post office protocol?	L1	CLO2
6.	Summarize about DHCP Operation	L1	CLO2
7.	What do you mean by TELNET?	L1	CLO2
8.	What is the function of SMTP?	L1	CLO2
9.	Write a note on DNS Messages?	L1	CLO2
10.	Discuss SMTP	L1	CLO2
PART-C(12 MARKS)			
1.	Explain the functions of SMTP.	L2	CLO2
2.	Write short notes on FTP and the type of connection that take place in FTP	L2	CLO2
3.	Explain about HTTP.	L2	CLO2
4.	Explain the WWW in detail.	L2	CLO2
5.	Explain detail about Domain Name System	L2	CLO2
6.	a) Explain the working of Electronic mail. How SMTP used in Email applications b) List and discuss the types of DNS records.	L2	CLO2
7.	Discuss in detail about world wide web	L2	CLO2
8.	Write short notes on IMAP and MIME with an example	L2	CLO2
9.	What are the Request methods available in HTTP?	L2	CLO2
10.	How does a typical HTTP Request and Response Request look?	L2	CLO2
11.	With a relevant example how the domain space is divided.	L2	CLO2
12.	Explain about the DHCP Configuration.	L2	CLO2
13.	Elaborate on Remote Command Execution using UDP	L2	CLO2