Computer Network and Internet Protocol

(Jan 2024)

Assignment- Week 2

TYPE OF QUESTION: MCQ/MSQ

Number of questions: **10**   Total mark: **10 X 1 = 10**

QUESTION 1:

What is the command used by DNS to translate a fully qualified domain name into its corresponding IP address?
   a) iplookup
   b) ipconfig
   c) nslookup
   d) nssearch

Correct Answer: (c)
Explanation: Given a fully qualified domain name, nslookup provides its corresponding IP

QUESTION 2:

On the top of which protocol, TFTP is built?
   a) Internet Protocol (IP)
   b) File transfer protocol (FTP)
   c) Hypertext Transfer Protocol (HTTP)
   d) None of these

Correct Answer: (d)
Explanation: TFTP is implemented on the top of the User Datagram Protocol or UDP

QUESTION 3:

Which of the following is the correct syntax for anchor tags in HTML?
   a) <p>…</p>
   b) <a>…
   c) <ar>…</ar>
   d) …

Correct Answer: (b)
Explanation: Anchor tag in HTML is represented with <a>.... An example: Link

QUESTION 4:

Which of the following port is used for Secure File Transfer Protocol (SFTP) by default?

    a) 22
    b) 23
    c) 80
    d) 443

Correct Answer: (a)
Explanation: SFTP uses port 22 by default

QUESTION 5:

Consider the following two statements and choose the correct option
(i) Google Chrome or Internet Explorer can be used as an HTTP Server
(ii) Apache Tomcat is an HTTP Client

    a) Only (i) is correct
    b) Only (ii) is correct
    c) Both (i) and (ii) are correct
    d) None of them are correct

Correct Answer: (d)
Explanation: Google Chrome and Internet Explorer are HTTP clients from where requests can be sent. Apache Tomcat is an application container that serves as an HTTP server.

QUESTION 6:

Consider different activities related to email.
        m1: Send an email from a mail client to a mail server
        m2: Download an email from the mailbox server to a mail client
        m3: Checking email in a web browser
What are the application-level protocols used in each of these activities?

    a) m1: HTTP, m2: SMTP, m3: POP
    b) m1: SMTP, m2: FTP, m3: HTTP
    c) m1: SMTP, m2: POP, m3: HTTP
    d) m1: POP, m2: SMTP, m3:IMAP

Correct Answer: (c)
Explanation: Sending an email will be done through the user agent and message transfer agent by SMTP, downloading an email from the mailbox is done through POP, checking email in a web browser is done through HTTP.

QUESTION 7:

Which of the following HTTP methods requests information about a document but not the document itself?

a) GET
b) HEAD
c) PUT
d) POST

Correct Answer: (b)
Explanation: The HEAD method requests metadata about a document

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QUESTION 8:

Consider the following statement and choose the correct option
i) SNMPv3 ensures that a message can not be read by an unauthorized entity
ii) SNMPv3 can not ensure the validity of the source from where the message is sent
    a) Only (i) is correct
    b) Only (ii) is correct
    c) Both (i) and (ii) are correct
    d) None of the statements are correct

Correct Answer: (b)
Explanation: SNMPv3 ensures that (i) the packet has not been tampered with (integrity), (ii) message is from a valid source (validity) and (iii) a message can not be read by an unauthorized entity (privacy)

QUESTION 9:

Which of the following HTTP status code is returned when the requested document is not found?
    a) 400
    b) 402
    c) 404
    d) 503

Correct Answer: (c)
Explanation: If a requested document is not found, the corresponding error is 404 (not found).

QUESTION 10:

Which of the following is/are not an Application Layer protocol(s)?
    a) HTTP
    b) SFTP
    c) SNMP
    d) UDP

Correct Answer: (d)
Explanation: UDP is a Transport Layer protocol