Course Name: ETHICAL HACKING
Assignment- Week 0
TYPE OF QUESTION: MCQ/MSQ/SA

Number of questions: 10

QUESTION 1

What is ethical hacking?

a. Unauthorized intrusion in a system or a network. And commit malicious activities such as privacy invasion, stealing personal/corporate data, and more.
b. Systematically attempts to penetrate/intrude into a computer system/network on behalf of its owner and finds out threats and vulnerabilities.

Correct Answer: b

Detailed Solution: Ethical hacking is also known as penetration testing or intrusion testing where the person systematically attempts to penetrate/intrude into a computer system, application, network, or some other computing resources on behalf of its owner and finds out threats and vulnerabilities that a malicious hacker could potentially exploit.

The main objective of ethical hacking is to improve the security of the system or network and fix the vulnerabilities found during the testing.

QUESTION 2:

Which of the following application(s) is/are used to secure personal laptop/desktop?

a. Antivirus
b. Virus
c. Malware
d. Firewall

Correct Answer: a, d

Detailed Solution: Antivirus applications are used to secure personal laptops/desktops. You can also secure your system by installing a firewall software.

QUESTION 3:

Which of the following is/are example of social engineering attacks?

       a. Phishing
       b. Baiting
       c. Vishing

Correct Answer: a, b, c

Detailed Solution: (a) Phishing is a cyber-attack that uses disguised email/sms as a weapon. The goal is to trick the email recipient into believing that the message is something they want or need (b) Baiting involves luring an unsuspecting victim with a highly attractive offer playing on fear, greed and temptation to make them part with their personal sensitive data like log-in details. (c) Voice phishing, or vishing, is the use of telephony to conduct phishing attacks.

QUESTION 4:

How you can secure your website?

       a. Using firewall
       b. Encrypting the Cookies
       c. Validating and Verifying user input
       d. Validating users parameters

Correct Answer: a, b, c, d

Detailed Solution: All of the listed approach can be used to secure website. (a) Firewall can be used to drop traffic from suspicious IP (b) Encrypted cookies can eliminate cookies based attack. (c) By validating user input we can prevent access of the website by unwanted user. (d) by validating user parameters we can eliminate injection of malicious query on our website database.

QUESTION 5:

Which of the following is true for firewall?

       a. A firewall is a network security system

b. Firewall can allows or blocks network traffic as per predetermined security rules
c. Firewall are placed on the boundary of trusted and untrusted networks
d. None of these

Correct Answer: a, b, c,

Detailed Solution: All of the statements are true for firewall.

QUESTION 6:

Which of the following Linux command can be used to view network configuration?

a. ipconfig
b. ifconfig
c. ls
d. cd
e. None of these

Correct Answer: b

Detailed Solution: In Linux based system ifconfig command is used to check network configuration.

QUESTION 7:

How many layers are there in OSI model ....?

Correct Answer: 7

Detailed Solution: OSI consist of 7 layers.

QUESTION 8:

Which of the following is/are transport layer protocol(s)?

a. UDP
b. TCP
c. IP
d. Ethernet

Correct Answer: a, b

Detailed Solution: Ethernet is data link layer protocol, IP is network layer protocol, UDP and TCP are transport layer protocols.

QUESTION 9:

In IPv6, the number of bits used in IP address is …………..

Correct Answer: 128

Detailed Solution: IPv6 uses 128 bits for the IP address.

QUESTION 10:

Which of the following command(s) can be used to check the reachability of one system from another?

a. ifconfig
b. ls
c. mkdir
d. None of these

Correct Answer: d

Detailed Solution: None of the above command can check the reachability of one system from another. We can use ping command to check if any system is reachable or not.

QUESTION 11:

Which of the following is/are a networking device?

a. Hub
b. Switch
c. Router
d. None of these

Correct Answer: a, b, c

Detailed Solution: Hub, Switch and router all are networking devices used to connect multiple devices/subnetwork in a network.

QUESTION 12:

Which of the following is used to host a website?

       a. Mail Server
       b. Webserver
       c. Database
       d. None of these

Correct Answer: b

Detailed Solution: Webserver is mainly used to host websites.

QUESTION 13:

Which of the following network is used to cover small area like a room/building?

       a. LAN
       b. WAN
       c. MAN
       d. None of these

Correct Answer: a

Detailed Solution: LAN is used to provide networking facility in small area like a room/building. WAN is used to cover larger area such as city. MAN is used to cover large geographical area like countries.

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