

L-9 Web applications and security

Q. Define the following terms.

- a. Web Server b. Web Page c. Web Site d. Web Browser

a. Web Server: A web server is a computer that stores websites and their related files for viewing on the Internet.

b. Web Page: A single HTML document is called a Web Page.

c. Web Site: A collection of Web pages is called Web Site.

d. Web Browser: A Web Browser is software that is used to view Web sites on the internet.

Q. What do you mean by ISP?

Ans. ISP stands for Internet Service Provider. It is an organization that provides us access to the Internet via a wired or wireless connection.

Q. Write four advantages of Networking.

1) Data Sharing: Networking allows the sharing of data.

2) Files Transfer: One User can send text files, spreadsheets, etc. to other users.

3) Hardware Sharing: Hardware components such as printers, scanners, etc. can also be shared.

4) Internet Access Sharing: You can purchase a single Internet connection and share it among other computers in a network

Q. What do you mean by Modem?

Modem: A modem is a device that converts digital computer signals into a form (analog signals) that can travel over phone lines. It also re-converts the analog signals back into digital signals. The word modem is derived from its function MODulator/DEModulator.

Q. What do you mean by Instant Messaging? Write its four key features.

Ans – Instant messaging (IM) is a form of communication over the Internet that offers an instantaneous transmission of text-based messages from sender to receiver.

- a) Text Messages can be sent to one or more people.
- b) Audio calling and conferencing.
- c) Video calling and conferencing.
- d) File transfers (For example – documents, spreadsheets, audio files, video files, etc.)

Q. Write five general rules and etiquette to be followed while chatting.

Ans- 1) Messages should be short and to the point.

- 2) Always introduce yourself by name if your screen name doesn't reflect it.
- 3) Always ask if the other person has time to chat first.
- 4) Don't Type your messages in uppercase as it seems to be extremely rude – it's considered shouting and very aggressive.
- 5) Give people time to respond.

Q. How many types of instant messaging software are there?

Ans – Application-Based. eg- Google Talk, Skype
Web-Based. eg – Meebo, MSN Web Messenger.

Q. What is a blog? Name four websites that offer blog services.

Ans – A blog is a website where people share their views and feelings. Blogs are similar to an online personal diary and are simple to use.

1. www.WordPress.com
2. www.blogger.com
3. www.blog.com
4. www.weebly.com

Q. What is the purpose of creating blogs?

Ans – Blogs can be created to convey messages about events, announcements, news, reviews, etc.

Q. What do you mean by Blog address?

Ans – A blog address means a unique URL that other people can use to access your blog.

Q. What are offline blog editors? Name 3 offline blog editors.

Ans – Those Editors in which we can create blogs when we do not have an active internet connection and publish the blog whenever internet connectivity is available are called Offline Blog Editors.

Qumana
Windows Live Writer
Blogdesk
BlogJet

Q. In which situations could Online shopping be useful?

Ans – Online shopping could be useful in situations when :

- 1) A customer does not have sufficient time to visit stores.
- 2) Visiting a store is more expensive than purchasing a product online.
- 3) A product or service that is not available in the local market is available online.

Q. Mention Three online threats.

Ans. Three online threats are :

1. Phishing 2. Email Spoofing 3. Chat spoofing

Q. Write four guidelines for managing a strong password.

Ans. Four guidelines for managing strong passwords are :

1. Keep the length of the password at least 12-14 characters if permitted
2. Use capital and lower-case letters
3. Avoid keeping passwords based on repetition, and dictionary words.
4. Avoid using the same password for multiple sites or purposes.

Q. Write any four best practices to secure data.

Ans. Four best practices to secure data are :

- a. Use a Firewall on your computer.
- b. Keeping your username and password private.
- c. Use Strong Password
- d. Use an updated Antivirus Software and Antispyware Software.

Q. What do you mean by First Aid?

Ans – First Aid is the immediate assistance provided to the injured to save lives and minimize health loss till the proper medical aid/ facility is provided.

Q. Write three rules of first aid.

Ans – Assure the injured to remain calm and not panic.

Keep them warm if they are under shock

Do not move the victim in case of back/neck injury

Q. What do you mean by cookies on the computer? Why it is advised to clear browser cookies frequently?

Ans Cookies are programs that are created on your local computer when you visit websites. Cookies are meant for storing data based on your activity performed during your earlier visit such as login details, visited pages on a website, etc. which can be tracked by unauthorized users and possibly gain access to your personal information.

Q. What is Malware in computers?

Malware is a program that tracks your browsing behavior and transmits personal data from your computer.

Q. Name a Software that can be installed on your computer which tracks and transmit every key that is pressed on a keyboard (keystrokes) to unauthorized users.

Keyloggers

Q. Write any four basic Fire Safety rules in an organization.

1. Fire escape plans must be installed at the proper levels
2. Conduct regular drills
3. Smoke alarms must be placed at proper intervals

4. Keep the workplace a no-smoking zone

Q. Write four Fall and Slips Safety rules in an organization.

- 1) Keep the moving area clean and clutter-free.
- 2) Workplace must be properly ventilated to receive light.
- 3) Wear non-slippery footwear.
- 4) Floors must be clean and dry
- 5) Oil spills, and dust must be immediately cleaned.

Q. What are the appropriate measures to ensure safety from electrical devices at home as well as at the workplace?

- 1) Electrical equipment used should be approved by a recognized organization.
- 2) Workers should be trained to handle the electric equipment safely.
- 3) Damaged and hazardous electrical equipment should be immediately replaced.
- 4) Heat emanating [spread out from (a source)] equipment should be kept away from the electrical equipment.

Q. What do you mean by Occupational Hazard? Name 4 types of Occupational Hazards.

Ans- An occupational hazard is the illness one may acquire due to his occupation.

Physical

Chemical

Mechanical

Biological

Q. What do you mean by Accident?

An accident is an unplanned event that may happen all of a sudden and may lead to unwanted or unprecedented results/outcomes.

Q. List any six points of a healthy lifestyle.

Ans. A healthy lifestyle includes :

1. Healthy eating habits
2. Physical activities
3. Stress management
4. Healthy mind
5. Sound sleep
6. Goal setting

Q. Write 4 ways to handle accidents.

1. Every organization must follow SOP for accident handling {SOP – Standard Operating Procedure}
2. Safety measures must be placed to prevent workplace accidents
3. Immediately call the medical team for any injury
4. Stay alert
5. Pay attention to and follow emergency drills