

A. Multiple Choice Questions

Ans. 1. (a) 2. (a) 3. (b) 4. (a) 5. (b)

B. Match the following

Ans. 1. (b) 2. (a) 3. (d) 4. (c)

C. Write T for true statement and F for false statement

Ans. 1. (T) 2. (T) 3. (F) 4. (F)

D. Answer the following

Ans. 1. The advantages of Internet are as follows:

- (i) **Source of Information :** Internet gives us access to a vast pool of information.
- (ii) **Mode of Communication :** Using internet we send emails very quickly. We can talk to others using audio and video call facilities. We can text messages or do voice chat.
- (iii) **E-shopping :** Today, we use Internet facility to do shopping online. We can buy anything from anywhere within the comfort of our homes.
- (iv) **E-banking :** We can access our bank accounts on our computing devices to perform any type of financial or non-financial transactions.
- (v) **Entertainment :** It can be used to watch movies, TV shows, listen to music and play games.
- (vi) **Education :** We can access e-books on the Internet free of cost or at a very nominal subscription fee. We can register for online courses and get certified by reputed colleges and universities.

Ans. 2. The safety measures while using computers and Internet are:

- (i) **Install Protective Software :** Install protective (Antivirus) software and set it to scan your files and folders for viruses on a regular basis.
- (ii) **Choose Strong Passwords :** Use a combination of letters, numbers and special characters to create a strong password. Create a different password for each important account and update it regularly.
- (iii) **Back up on regular basis :** Make a practice to take regular backups of the important data.

- (iv) Control access to your machine : Do not leave your computer unattended or logged on, especially in public places.
- (v) Use e-mail and Internet safety : Do not open the e-mail with an attachment or links from people you do not know.
- (vi) Protect sensitive data : Remove all the sensitive data files from the hard disk especially when recycling or repurposing your computer.
- (vii) Use firewall : Firewall is the easiest way to safeguard your computer from being accessed by a burglar, especially via Internet.

Ans. 3. (a) This is a fraudulent act of collecting sensitive information of the user like his bank account details, credit card information, net banking passwords, etc. using authentic looking emails. Such emails appear to be genuine and sent by the banks which collect information to perform fraudulent activities.

To prevent phishing :

- ❖ Never open or respond to an unknown e-mail received in your mailbox.
- ❖ Never provide any confidential information in reply to the emails received from banks.
- ❖ Never access a bank's website from the link provided in an email.

(b) Spamming refers to unwanted emails sent in bulk to multiple users for promoting products or services. This type of emails are sent forcefully to the people who otherwise do not want to receive them. Most of these emails are harmless but they exhaust the storage space and make it difficult for us to identify the important emails received.

To avoid spam emails :

- ❖ Never provide your email address unnecessarily to any website.
- ❖ Email servers provide spam filters facility to keep such emails in a separate folder.
- ❖ Do not reply to the emails received in the spam folder.

Ans. 4. The ways to protect your privacy are:

- (i) Never share your account details like login ID or passwords with others.
- (ii) Avoid keeping any confidential information in your system and delete it, if it is no longer required.
- (iii) Cookies stored in your system by other websites cause leakage of information. Delete them on a regular basis.

Ans. 5. The rights related literary or artistic work, inventions and discoveries are called Intellectual Property Rights (IPR)

Ans. 6. Plagiarism deals with stealing of ideas and thoughts of other people on the Internet and projecting them as one's own work, without the permission of the original author. This is considered as cyber crime and is a punishable act.

Preventing Plagiarism

While using information from online resources, plagiarism can be avoided by keeping in mind the following points:

- ❖ If you use ideas, texts, information from a website, always acknowledge the website from where it is taken.
- ❖ Seek written permission of the author whose contents you are using for your work.
- ❖ Write the content in your own language. Never use a published text without acknowledging reference.
- ❖ You can also put such contents in quotes for avoiding plagiarism.