
Ch4: Ethics & Safety Measures in Computing

1. What are:

Internet- The Internet is a world-wide network that connects millions of computers. It enables the connected computers to share information and services.



TCP/IP- Transmission Control Protocol/ Internet protocol is a procedure through which communication is concluded over the Internet.

2. Write the advantages of Internet.

Ans: The advantages are:

- 🌿 **Resources Sharing:** The main advantage of internet is to provide easy means of resource sharing.
- 🌿 **Education:** Various online tutorials are available which are helpful for students to improve their performance.
- 🌿 **Social Media:** Various Social Networking sites like facebook, twitter etc., can be used enough PC's or tablets or smart phone to reconnect with anyone.
- 🌿 **Entertainment:** We can play various games online and watch videos and movies.

3. Write the disadvantages of Internet.

Ans: The dis-advantages are:

- 🌿 **Virus attack:** Though games and other data which we download or may be an email virus attack are possible, this may slow down our computer.
- 🌿 **Security:** Our personal information is not safe, theft of personal information is quite possible.
- 🌿 **Incorrect Information:** The information which are available is not full proof.

- 🌸 **Cyber-crime and bullying:** Inappropriate videos on internet are available on internet which may not be suitable for children.

4. *What is Ethics? What are the ethics are followed while using Internet?*

Ans: Computer ethics deals with the rules and practices that we should follow working on the computer. It is important for everyone to know these rules to prevent fraud and crime related to the use of computer.

Ethics are followed while using Internet computers are:

- 🌸 Do not install or uninstall software without prior permission.
- 🌸 Do not steal information from Internet.
- 🌸 Do not make illegal copies of software, for which are not paid.
- 🌸 Protect important documents using passwords.
- 🌸 Do not browse unwanted websites or emails.

5. *Explain the below unethical Practices in Internet.*

- 🌸 **Plagiarism-** Plagiarism refers to the act of stealing someone else's work and passing it on as ours. It is basically copying someone's work and pretending as it our work.

- 🌸 **Cyber Bullying-** Harassing, threatening or embarrassing anyone on the internet is known as Cyber bullying. The people who perform cyber bullying are called cyber bullies. They use cell phones, instant messaging, emails, chat rooms or social networking website to harass other people.

- 🌸 **Hacking-** Hacking is an act of gaining access to someone else computer for viewing, copying data on. This is done with the help of computer programs.



- 🌸 **Phishing-** Phishing is an act where people uses fake identity to appear genuine in front of others so that he can track others information.

- 🌸 **Spam-** Email spamming refers to sending email to thousands and thousands of users –similar to a chain letter.

- 🌸 **Software Piracy-** software piracy is the illegal copying, distribution or use of software application .when someone buys software that person is known as licensed user of that software and he is permitted to make copies for backup purpose. When an individual starts selling copies of that software in the market is known as software piracy.

- 🌸 **Intellectual Property Right-** Intellectual property rights are the rights given to a person over his or her creation. According to Intellectual property right the creator has the right to stop others for using their work without permission. It includes trademarks, logo, Art-works and so on.

6. *Write few effects of Cyber Bullying.*

Ans- Effects of Cyber Bullying are:

- ✿ Behaving rudely with parents.
- ✿ Bunking classes and deterioration in academic performance.
- ✿ Unnecessary quarreling with friends and classmates.
- ✿ Affecting the health and self-confidence.

7. *Write few reasons of Hacking.*

Ans- Reasons of Hacking are:

- ✿ Taken as challenge and access gain on system without being knowledged.
- ✿ Taken as excitement in the field of computer crime.
- ✿ Applying intelligence in anti-social activities.
- ✿ Involved in destructive work as a tool for gaining knowledge and doing experiment.

8. *Write some indications of phishing attempt.*

Ans- Reasons of Hacking are:

- ✿ Emails with generic greetings. Phishing emails often include generic greetings.
- ✿ Emails requesting an urgent response. Most phishing emails attempt to create a sense of urgency.
- ✿ Emails requesting personal information. Most legitimate companies will never email customers and ask them to enter login credentials or other private information by clicking on a link to a website.

9. *Write few ways to avoid Piracy.*

Ans- Ways to avoid Piracy are:

- ✿ Buying software from reputed source.
- ✿ Assuring the software comes with license, original sealed pack.
- ✿ Avoid buying multi product in a single disk.



10. *Write some properties of intellectual software.*

Ans- Properties of intellectual software are:

- ✿ **Software Patents-** The patent right is given to the programmer for an invention of a particular software. Patent laws can be used to restrict the freedom of copying, use, distribution of published information.
- ✿ **Software Copyright-** Copyright prohibits the users of a software program for making copies of it without the permission of the person/company concerned which issues license for the program.
- ✿ **Tread mark-** Trademark is an identity to preserve the software. A trademark sometimes becomes such a success that it is actually worth

more than a product. It becomes the business of selling of an image of an identity rather than a product.

11. Write few points of safety protection on Internet.

Ans-

- 🌸 Don't share personnel information i.e. name, age, address, a/c number etc.
- 🌸 Don't create a password based on personnel information like last name, telephone number etc.
- 🌸 Don't share password with anyone although he/she is a close friend.
- 🌸 Don't access irrelevant sites, open mails from unknown sources and comment anyone on social networking site.
- 🌸 Don't try to download unknown software and e-mail attachments that may contain viruses.
- 🌸 Use strong antivirus software for computer,
- 🌸 Don't send any kind of message bullying friend or any unknown person over social networking sites like Facebook, twitter or whatsapp.

12. Write some parental assistance tips.

Ans- Some parental assistance for minors is enlisted:

- 🌸 By viewing age appropriate web sites.
- 🌸 By using strong password so that cannot be cracked so easily.
- 🌸 By not sharing password with any person
- 🌸 On frequent changing password.
- 🌸 Responding to known email only.
- 🌸 By protecting computer with Antivirus.

13. What are firewall and digital foot print?

- 🌸 **Firewall-** Firewall is a combination of software and hardware which protects unwanted incoming and outgoing of data to/from system. It is a method of providing security to our system.
- 🌸 **Digital Foot Print-** Digital Foot print is an information about a particular person that exists on the internet as a result of his or her online activity. While using internet we perform various activities such as uploading images and videos, making online transactions, posting comments and so on. These types of activities leave traces of our personal information online.

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