ST. THOMAS SCHOOL, LONI
CYBER SAFETY- CHAPTER NOTES
Class-VII

Internet- Internet is interconnection of computers across the globe. It is the largest information system. The main uses of internet are following-

➢ Internet helps us to share information from any place in the world

➢ Internet is a source of lot of information for education purposes

➢ Internet enables fast transfer of news or incidents to people

➢ Internet can be used for communication from end of the world to the other

E-Commerce-The activity of electronically buying or selling of products on online services or over the Internet. It is also known as online shopping. Example- Amazon, Flipkart etc.

Forum- An internet forum is an online discussion site where likeminded people can hold conversation in the form of posted message.

Disadvantage of Internet: There are many disadvantages of internet as following-

- o **Virus Threat**- Virus(computer program that harm our computer system) can enter in our computer through internet.
- o **Spamming**- It refers to unwanted mails in a bulk amount which slow down our computer system.
- o **Theft of personal information-** User's Credit/ Debit card number, Bank account details and other personal information can be accessed by hackers or crackers.
- o **Cyber Terrorism**- Different terrorist organizations are now a days working online which brain wash people specially teenagers and include them in there unethical practices.
- o **Time Wastage**- People waste their time in watching unrelated videos and surfing internet which affect their eyesight as well as metal health.

Computer Ethics: Computer Ethics are a set of procedures and moral practices that regulate the use of internet. Some of them are following-

1. You should not use a computer to harm other people.
2. You should not interfere with other people's computer work.
3. You should not snoop around in other people's computer files.
4. You should not use a computer to steal.
5. You should not use a computer to bear false witness.
6. You should not copy or use proprietary software for which you have not paid.
7. You should not use other people's computer resources without authorization.
8. You should not appropriate other people's intellectual output.

9. You should think about the social consequences of the program you are writing or the system you are designing.
10. You should always use a computer in ways that ensure consideration and respect for your fellow humans.

Plagiarism-It is the practice of taking someone else's work or ideas and passing them off as one's own. It is consider as cybercrime. To avoid plagiarism we can use citation. Citation is a quotation from or reference to a book, paper, or author, especially in a scholarly work.

Cyberbullying- It is done by the use of electronic communication to bully a person, typically by sending messages of an intimidating or threatening nature. To prevent this we should not disclosed our identity to an unknown person and should restrict our online profile.

Phishing- The practice of sending emails misleading to be from reputable companies in order to induce individuals to reveal personal information, such as passwords and credit card numbers. To prevent this we should not click or open unknown links and messages.

Hacking- The act of gaining unauthorized access to data in a system or computer is called hacking. Hackers are highly technical people and the hacking done for a good cause is known as ethical hacking. We should use antivirus software and firewalls to prevent hacking.

Crackers- They are also technical person who are expert in breaking into systems for stealing information and even destroy system data to harm computer system.

Individual right to privacy- Hackers and crackers often collect personal information of a person or institution and use it without the consent of the authorised person. We should be careful about our online profile on social networking site to prevent this.

Software Piracy-Software piracy is the illegal copying, distribution, or use of software. A licence or copyright is required to use a genuine program.

Intellectual Property Rights- A person or by a company have exclusive rights to use its own plans, ideas, or other intangible assets without the worry of competition, at least for a specific period of time. These rights can include copyrights, patents, trademarks, and trade secrets.

Cybercrime- An illegal activity done through internet is called cybercrime like identity theft, bank account theft etc. It comes under the jurisdiction of Indian Penal Code (IPC).

Encryption decryption- It is a way to keep our data safe during data transfer. Encryption is a process to convert data into unreadable codes for transfer while on the other end data is decrypted back into readable format by the receiver.

Firewall- It is a security system that prevent unauthorised people to access your computer system or network.

- Popular Websites-

1	Online shopping Website (E-commerce)	Amazon, Flipkart, Snapdeal, Paytm Mall
2.	Popular chatting Website	Facebook, WhatsApp, Instagram
3.	Video Conferencing Website	Skype, Google Duo, Facebook, WhatsApp
4.	Travel Website	IRCTC(Indian railway) , Trivago, MakeMyTrip, Yatra, Goibibo
5.	Internet banking website	ICICI, HDFC, Axis, SBI
6.	Mailing website (For emails)	Gmail, Yahoo, outlook, rediffmail
7.	Educational websites	Byju's, Meritnation, extramarks, Indiastudychannel, voot kids, Unacademy
8.	Search engine	Google, Yahoo, bing
9.	Forum	