

PARAGON CONVENT SCHOOL

SECTOR 24 B CHANDIGARH

CLASS - 7

CHAPTER 2 – COPMPUTER VIRUS

RECAP:-

1. A computer virus is a program or a set of programs that disrupts the normal operation of a computer.
2. VIRUS stands for Vital Information Resources Under seize.
3. A Trojan horse is a simple program that pretends to be a useful application, whereas, it always does something destructive.
4. Worm is a special type of Virus program that copies and multiplies itself by using computer networks and security flaws.
5. Malware is made up of two-words-malicious and software. It is a software that enters into a computer and damages it without the knowledge of the user.
6. Spyware collects information about the users without their knowledge.
7. Antivirus software are computer programs that are designed to identify, prevent and remove viruses from a computer.
8. Boot viruses, Program file viruses and Macro viruses are different type of viruses.

BRAIN DEVELOPER

Q A. Fill in the blanks:-

1. A computer virus disrupts the normal operation of a computer.
2. Computer virus results in the loss of speed and destruction of data.
3. Virus enters the computer without the permission and knowledge of the user.
4. A computer virus causes harm to the data and programs stored by a computer by overwriting them with garbage.
5. Virus enters through an infected CD or Pen drive.
6. Virus programs are self - replicating.
7. Some virus programs monitor the clock in the host computer and trigger on a certain day, like Friday the 13th.
8. Antivirus software are designed to identify, prevent and remove the virus from a computer.

Q B. State True or False.

1. A computer virus is similar to a biological virus. True
2. All virus programs cause harm to the data or programs. False
3. The virus, Friday the 13th gets activated on 25th December. False
4. The Creeper virus was first detected on ARPANET in the year 2002. False
5. You should equip your computer with the antivirus programs. True
6. Trojan horse are self -replicable. False
7. A virus can enter your computer through an infected pen drive. True
8. Virus has no effect on the speed of a computer. False
9. Virus increases the memory of a computer. False
10. VIRUS stands for Vital Information Resources Under seize. True

Q C. Multiple Choice questions:-

1. Which virus infects the boot record or master boot record?

- a) Worm b) **Boot virus** c) Spyware

2. Which virus is named after the wooden horse used by the greek army to conquer the city of trop?

- a) Dark Avenger b) Stoned Virus c) **Trojan Horse**

3. When was the first PC released?

- a) **1987** b) 1985 c) 1897

4. Which one of the following is the name of a virus?

- a) Jan First b) **April First** c) May First

5. Who released the first PC virus?

- a) Duke Brothers b) Wright Brothers c) **Farooq Alvi Brothers**

Q D. Answer the following questions:-

Q 1. What is a computer virus? Name its types.

Ans. Computer virus refers to a program or a set of programs that disrupts the normal operation of a computer. Virus infects, erases or destroy data files. It enters in the computer without the permission or knowledge of the user.

The Types of a virus are:-

Boot virus, Program file virus, Multipartite virus and Macro virus.

Q 2. Write any two possible symptoms of virus in a computer.

Ans. Two symptoms of a virus in a computer are :

1. Reduce the speed of a computer by occupying the memory.

2. Increasing the use of disk space and growth in file size as the virus gets attached itself to many files.

Q 3. What do you understand by the term Spyware?

Ans. Spyware is a type of malware that is installed on computers and collects information about the users without the knowledge. Spyware programs secretly monitor the user's computing. They can collect various types of personal information, such as the internet surfing habits, visited web pages and transmits that information in the background to someone else. Sometimes they also changed computer settings that result in slow connection speed and wrong functionality of the other programs. Spyware can also collect e-mail addresses, passwords and even credit card numbers.

Q4. Explain the term Trojan Horse.

Ans. Trojan Horse is a simple program that pretends to be a useful application, where as it always does something destructive- mostly it damages a computer, like erasing the disk. It is not self-replicating. A Trojan can spread only when it is copied to another system. The name 'Trojan Horse' has been derived from the wooden horse used by the Greek Army to conquer the city of Troy. A Trojan horse is usually marked to make it look interesting. For Example: - A piano.wav file might interest a person collecting sound of instruments.

Q5. Write any three ways that can help in preventing a virus infection.

Ans. To prevent Virus attack, follow the given tips:-

1. Every PC should be equipped with some antivirus program.
2. Always scan the pen drive before copying the files.
3. Avoid downloading and installing pirated software from the internet.

Q6. What is an Antivirus software? Name any one antivirus software that is used in your school computers.

Ans. Antivirus software are computer programs that are designed to

Identify, prevent and remove viruses from a computer. They perform the following tasks in a computer:

1. Scan the computer files to look for known viruses, matching definitions from virus dictionary.
2. Identify suspicious behavior from any computer program that might indicate infection.

The commonly used software is Quick Heal.