

A. Fill in the blanks with clue given below. The first one has been done for you.

Virus	Bablas	McAfee	Virus
Trojan Horse	Hackers	Adware	Crackers

1. A **virus** is a program that infects a computer by attaching itself to another program.
2. _____ are harmless computer enthusiasts while
_____ are dangerous people who want to cause harm to computer systems.
3. Melissa and _____ are examples of macro viruses.
4. _____ program disguises itself as a utility program.
5. Norton and _____ are popular antivirus programs.
6. The _____ virus gets loaded into the computer memory every
time you start your computer.
7. If your files suddenly become corrupt or missing, it could mean a
_____ attack.
8. Unwanted ads which appear while surfing are caused by _____.

B. What is a computer virus?

C. What are the symptoms when a system is infected by a virus?

D. What is the difference between a hacker and cracker?

E. How can a virus enter your computer system?

Computer Viruses

❖ Fill in the blanks.

9. A **Virus** is a program that infects a computer by attaching itself to another program.
10. **Hackers** are harmless computer enthusiasts while **Crackers** are dangerous people who want to cause harm to computer systems.
11. **Melissa** and **Bablas** are examples of macro viruses.
12. **Trojan Horse** program disguises itself as a utility program.

13. **Norton** and **McAfee** are popular antivirus programs.
14. The **Boot-Sector** virus gets loaded into the computer memory every time you start your computer.
15. If your files suddenly become corrupt or missing, it could mean a **Virus** attack.
16. Unwanted ads which appear while surfing are caused by **Adware**.

What is a computer virus? What are the symptoms when a system is infected by a virus?

Virus:

- ❖ *A virus is a program that enters the computer system by attaching itself to another program and then spreads itself across the system.*

Symptoms of a Computer Virus:

- ❖ Your computer may be infected if you recognise any of these symptoms:
- ❖ slow computer performance
- ❖ Unexplained data loss
- ❖ Frequent computer crashes
- ❖ Unusual display on the screen
- ❖ Sudden decrease in free space on your hard disk

What Does a Computer Virus Do?

- ❖ *Computer viruses can harm your computer by damaging programs, deleting files or reformatting the hard drive.*
- ❖ *Some viruses simply replicate themselves or flood a network with useless data.*
- ❖ *They can reduce computer memory causing frequent computer crashes.*

What are the types of Computer Viruses?

What is the difference between a hacker and cracker?

- ❖ **Hackers** are people who use their computer skills to enter into computer systems without authorisation. They are basically harmless.
- ❖ **Crackers** are malicious programmers who gain unauthorised access to computer systems for the purpose of stealing, altering or corrupting information.

How can a virus enter your computer system?

You can pick up computer viruses through normal web activities such as:

- ❖ *Sharing files with other users*
- ❖ *Visiting an infected website*
- ❖ *Opening spam e-mail*
- ❖ *Downloading free games, music, windows or programs from unknown sites*

Protecting your system from viruses is essential for maintaining data security, privacy, and smooth performance.

How to Protect Your System from Viruses

1. Use Reliable Antivirus Software

- Install trusted antivirus or anti-malware programs.
- Keep them updated to detect the latest threats.

2. Regularly Update Your System

- Enable automatic updates for your operating system and applications.
- Security patches fix vulnerabilities that viruses exploit.

3. Be Cautious with Downloads

- Avoid downloading files from unknown or suspicious websites.
- Use official app stores or verified sources.

4. Don't Open Suspicious Emails or Attachments

- Watch out for phishing emails with strange links or attachments.
- Verify the sender before clicking anything.

5. Use Strong Passwords and Enable Firewalls

- Combine letters, numbers, and symbols in passwords.
- Activate your system's firewall to block unauthorized access.

6. Scan External Devices

- Always scan USB drives, memory cards, or external hard disks before use.
- Disable autorun features to prevent automatic infection.

Thank you