LESSON – 11
THE VIRUS

A. Fill in the blanks:
1. A computer virus <u>disrupts</u> the normal operation of a computer.
2. Computer virus results in loss of <u>speed</u> and <u>destruction</u> of data.
3. Virus <u>enters</u> in the computer without the permission or knowledge of the user.
4. A computer virus causes harm to the <u>data</u> and <u>programs</u> stored in the computer by overwriting them with garbage.
5. Virus, enters through an infected <u>file</u>, <u>E mail</u> or <u>internet</u>.
6. Virus programs are <u>self-replicating</u>.
7. Some virus programs monitor the <u>clock</u> in the host computer and trigger on a certain day, like
8. <u>Antivirus software</u> are designed to identify, prevent and remove virus from a computer.

B. State True or False:
1. A computer virus is similar to biological virus. FALSE
2. All virus programs cause harm to data or programs. TRUE
3. The virus, Friday the 13th gets activated on 25th December. FALSE
4. Virus programs do not replicate themselves. FALSE
5. We should not equip our computer with anti-virus programs. FALSE
6. Trojan Horses replicate themselves. FALSE
7. Virus can enter in our computer through infected floppy. TRUE
8. Virus has no effect on the speed of the computer. FALSE
9. Virus increases the memory of the computer. FALSE
10. VIRUS stands for Vital Information Resources Under Seize. TRUE

C. Application Based Questions:
1.Varsha's computer has got infected with a virus which led to the frequent hanging of the system. Which software will you suggest her to install in order to solve this problem?
Ans. Antivirus software
2. Sumit's computer is not working properly. The executable files and programs with extension like .com, .exe, .ovl, .drv, .sys on his PC have got infected. What type of virus has entered into his computer?
Ans. PROGRAM FILE VIRUS.

D. Multiple Choice Questions:
1. Which virus infects the boot record or master boot records?
   a. Worm   b. Boot Virus   c. Spyware
   Ans. b

2. Which virus is named after the wooden horse used by Greek Army to conquer the city of Troy?

   a. Dark Avenger   b. Stoned Virus   c. Trojan Horse

   Ans. c

3. When was the PC virus released?

   a. 1897   b. 1985   c. 1987

   Ans. c

4. Which one is the name of a virus?

   a. Jan First   b. May First   c. April First

   Ans. c

5. Who released the first PC virus?

   a. Duke Brothers   b. Wright Brothers   c. Farooq Alvi Brothers

   Ans. C

E. Answer the following:

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

   Ans. A computer virus is a program or a set of programs that disrupts the normal operation of a computer. It enters the computer without the user's knowledge and destroys data. The types of virus are: Trojan Horse, Worms and Spyware.

2. Write any three possible symptoms of virus in a computer.

   (i)   Decreasing the speed of the computer.

   (ii)   Frequent hanging of the system.

   (iii)   Deleting or damaging files.

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 users without their knowledge.

4. Explain the term Trojan Horse.

   Ans. Trojan Horse are simple programs that pretend to be useful applications while they always do something destructive.

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

   Ans. (i) Every computer should have some anti-virus software.

   (ii) Always scan the pen drive before copying files.

   (iv)   Do not install pirated software.

6. Briefly explain anti-virus software. Name the anti-virus software which is being used in your school computers.

   Ans. Anti-virus software is a computer program which is designed to identify, prevent and remove virus from our computer. Quick Heal is being used in our school computers.