

SHORT QUESTIONS

Q.1 What is security?

Ans. It is a system of safeguards designed to protect a computer system and data from intentional and accidental damage or access by unauthorized persons.

Q.2 What is a Virus?

Ans. A virus is a program that attaches itself with other executable files by modifying them so that the virus program is also loaded and executed with the execution of these programs or Virus is a destructive program containing code that can generate copies of it and attaches itself with other programs so that it is automatically executed when those programs are executed.

Q.3 What are biometrics?

Ans. Biometrics are technologies used for measuring and analyzing a person's unique characteristics. Biometrics are generally used for verification. Examples of biometrics are fingerprint, retina, palm vein and face.

Q.4 What are the Causes of Viruses?

Ans. Emails, Networks, Removable Storage media, Pirated software are ways through which a virus reaches from one computer to another.

Q.5 What are Pirated software?

Ans. Making illegal copies of copyright software is called **“software piracy”**. Some companies may intentionally attach some virus programs into their software. This program will only activate when it does not find licensed files on the computer.

Q.6 Write Virus Types.

Ans. Boot Sector Virus, Chernobal virus, Logic Bomb, Trojan Horse, RedLof etc.

Q.7 What is the function of Boot Sector Virus?

Ans. Boot sector virus modifies the programs in the boot sector (the first sector which contains the instructions to automatically load OS in memory) and is loaded in the computer memory whenever the computer is turned over. This virus is attached with system executable files i.e. .exe, .com and .dll files. When the user uses these files, the virus performs destructive operations and destroys all the data files.

Q.8 What is a Chernobal virus?

Ans. It deletes the all the Microsoft office files. It also deletes the partition information from the disk and with the deletion of partition the information cannot be accessed.

Q.9 What is a Logic Bomb?

Ans. It is a virus that is activated on the basis of a logical condition. The virus instruction is executed if the logical condition is true. It is activated on a certain date and time and can be detected by chance.

Q.10 What is a Trojan Horse?

Ans. It is a part of some computer programs e.g. destructive instructions inside the game programs. When the infected program (game) runs on the system, then this virus is activated. An example of Trojan horse is FORMAT C instruction is executed with the execution of a game.

Q.11 What is RedLof?

Ans. It is polymorphic virus written in VB Script. It infects the Folder.htt file which is the part of Windows Active desktop feature. It appends itself to other infected files on the hard disk and causes destruction. Some virus may make invisible changes in the user's data.

Q.12 What is denial of service situation?

Ans. A person may make a computer so busy by sending many requests, so that computer is unavailable to authorized users. This is called denial of service situation.