

## Class 8<sup>th</sup> Unit 5: Digital Citizenship

### Short Response Questions:

**Q.1: Who is cyber scout? How can he/she assist in prevention of cyber crime?**

Ans: Cyber Scout is a person who promotes awareness about cybercrime in the society. He/she is trained to identify cyber crime activity and has preventive knowledge to help fight against cybercrime. He/she assist in prevention of cybercrime in following ways:

- i. Provide awareness training about cybercrime.
- ii. Cybercrime prevention measures.
- iii. Promotes careful and responsible use of cyber space.
- iv. Patrols Cyber space.

**Q.2: Why we need cybercrime laws?**

Ans: We need cybercrime laws because:

- i. It establishes socio legal sanctions for cybercrime.
- ii. It protects or prevents ICT users from harming people, data, systems, services and infrastructure.
- iii. It protects human rights.
- iv. It enables the investigation and prosecution of crimes committed online.

**Q.3: Why computer systems should be protected from unauthorized access?**

Ans: Protection of computer from unauthorized access is essential so that personal and secret information does not get stolen or lost. Hackers are always ready to use any opportunity available to them to stole, destroy or delete important data.

**Q.4: How creator of copyright work financially benefits from it?**

Ans: Copyright gives economics rights to the creators to charge a fee, or royalty for the reproduction of their work.

**Q.5: Why digital piracy is a crime?**

Ans: Digital piracy is a crime because the person does not have proper permission from the owner to take or use the digital contents. Piracy is equivalent to theft and therefore, is a crime.

**Q.6: Why hackers break into computer systems?**

Ans: Hackers break into others computer system because of the following aims:

- i. To steal or destroy the information.
- ii. For illegal financial benefits by holding data for some ransom.
- iii. For stealing banks credential to steal the money from the bank account.
- iv. To spy on computer user's activities.
- v. To steal business secrets for financial benefits.

**Q.7: How spyware can be harmful?**

Ans: Spyware is harmful software for computer user because it spies on the activities of computer users, the data entered into computer through input devices and secretly copies the important data like account ID, passwords and others credentials, and send to the person who installed the spyware, and then the data can be used to harm the computer users.

**Q.8: Define Malware? Briefly explain its different types.**

Ans: Malware (Short for "Malicious Software") is software which intentionally designed to disrupt, damage, or gain unauthorized access to a computer system or computer network. Following are the main types of malware:

#### 1. Virus:

Computer virus is a program that may disturb the normal working of computer without the knowledge or permission of the user. It is the most common and well known computer security threat. Virus attaches itself to the files in flash drives, hard disks and email attachments. A file containing a virus is called infected file. The virus is activated when the infected file is executed.

#### 2. Worm:

Worm is a malware that spreads from one computer to other through networks to infect other computers automatically. It is also harmful like a computer virus.