COMPUTER SCIENCE

Questions and Answers

A. Tick (✓) the correct answer.

1. Which of the following is used to reach an unknown destination?

Answer: a. Google Maps ✓

2. Prolonged net surfing can lead to _____.

Answer: d. All of these ✓

3. Plagiarism can be avoided by giving _____.

Answer: d. All of these ✓

4. _____ is done to identify any weakness in the system so that it can be corrected.

Answer: b. Ethical hacking ✓

5. _____ is the act of sending an email to a user falsely claiming to be a legitimate authority.

Answer: b. Phishing ✓

6. Antivirus can protect your computer from _____.

Answer: d. All of these ✓

B. Fill in the blanks.

1. _____ means copying someone else's work and publishing it as your own.

Answer: Plagiarism

2. _____ is done by exploiting weakness in a computer.

Answer: Hacking

3. _____ is installed between the network of an organisation and the rest of Internet.

Answer: Firewall

4. _____ is used to protect new products or a process containing a new idea or concept.

Answer: Patent

5. Enticing business opportunities, lottery winnings or easy-loan schemes are offered in _____ emails.

Answer: Phishing

6. _____ is electronic junk mail usually sent for advertising products.

Answer: Spam

C. Write T for True and F for False.

1. Information on Internet is always accurate. — **F**
2. Hacking can be done for a good cause. — **T**
3. A strong password is made up of only lower- and upper-case characters. — **F**
4. You should never change your password. — **F**
5. It is safe to give our personal details to anyone on the Internet. — **F**
6. Spam emails are trustworthy. — **F**
7. Spam emails are usually sent from computers infected by viruses. — **T**

E. Answer the following.

1. List any five advantages and five disadvantages of the Internet.

Answer: Advantages: Easy communication, quick access to information, online education, online shopping and entertainment.
Disadvantages: Internet addiction, eye strain, cybercrime, cyberbullying and spread of false information.

2. What do you understand by the term ethics in computing? Give two examples.

Answer: Ethics in computing means following moral rules while using computers. Examples: respecting others' privacy and not copying their work.

3. How can you prevent plagiarism?

Answer: We can prevent plagiarism by giving proper references, taking permission and giving credit to the original author.

4. Explain the consequences of cyber bullying.

Answer: Cyberbullying can cause fear, stress, depression and low self-confidence. It can also affect studies and social life.

5. What is firewall? Why should we install it?

Answer: A firewall is a security system that protects a computer from unauthorised access. It blocks harmful connections and protects personal information.