

Computer Science (New Book) - 9th Class Computer Science English Medium Chapter 4 Preparation

Q1. Which are the steps that helps you systematically identify and fix problems.

Ans 1: A systematic approach to troubleshooting involves the following steps.

Identify problem

Establish a theory of Probable cause

Test the theory to determine the cause

Establish a Plan of Action of Resolve the Problem

Implement the solution

Verify full system functionality

Document finding, Actions, and outcomes

Q2. How to create and manage a strong password.

Ans 1: Use a combination of upper (A-Z) and lower case (a-z) letters, numbers (0-9) and special characters (-, \$, %, *, @, etc) to create strong passwords. Change passwords regularly and use a password manager to keep track of them.

Q3. What do you know about space saver.

Ans 1: Keeping your computers, storage clean by deleting unnecessary files is like making space in your room. The more organized your files are, the faster your computer will run just like a tidy bedroom is easier to navigate.

Q4. What is the primary purpose of system troubleshooting.

Ans 1: The primary purpose of system troubleshooting is to identify and resolve problem in systems like computers or machines to restore functionality without needing professional help

Q5. What is the most common software issue.

Ans 1: The most common software issue is freezing where a program stops responding.

Q6. What are the basic hardware related issues.

Ans 1: Following are the basic hardware related issues.

Cable disconnection

Overheating

Peripheral devices.

Q7. What type of software is used to scan and remove malware from a computer.

Ans 1: Antivirus software is use to scan and remoe malware from a computer

Q8. Describe some basic symptoms and diagnostic techniques of RAM failures.

Ans 1: Common sign of RAM issues includes frequent system crashes, Blue screens of dath and poor performaanace, The computer may also fail to boot or restart randomly.

Solution : RAM Diagnostic tools:- Use built in tools like Window Memory Diagonostic or third party application like Mem Test 86 to check for RAM issues.

Q9. Describe the impact of cooling and overheating on CUP.

Ans 1: Computers can overheat if their cooling systems fail. High temperatures can reduce a CPU's lifespan by up 50% Proper cooling and regular cleaning can significantly extend a computer's life.

Q10. Explain what the implement the solution step entails ina troubleshooting.

Ans 1: Once you have a plan, you need to put into action. This means doing whatever is necessary to fix the problem.For example if your plain is to replace the battery, you would buy a new battery and install it in your laptop.
