

Computer Science (New Book) - 9th Class Computer Science English Medium Chapter 1 Preparation

Q1. What is the study of Algorithms.

Ans 1: Researchers analyze existing an algorithm to understand their efficiency and limitations. For example studying different sorting algorithms and their characteristics which arrange given data in an order.

Q2. Define Natural Science

Ans 1: Natural Science is meant to uncover the objectivity and functionality of natural systems in the natural world its nature is descriptive meaning that the scientist seek to understand and describe natural phenomena.

Q3. Define Civil Engineering system

Ans 1: Concentration on developments such as constructing houses, roads, bridges and even maintaining these structures. For instance, a structure used to provide a passage over water, valleys or roads is termed a bridge.

Q4. Define Electrical Engineering system

Ans 1: Involves the study and application of electricity electronics and electromagnetism to develop electrical systems, for example a home automation system that control lighting heating and security using a smartphone app.

Q5. What are the components of Von Neumann Architecture.

Ans 1: Following are the key components of Von Neumann Architecture.

Memory

Central Processing Unit

Input devices

Output devices

Q6. Define Natural System

Ans 1: Natural systems are those that exist in nature and operate independently of human involvement they are governed by natural laws and processes. Following are the examples of some natural systems that exist in nature

Q7. Define Mechanical Engineering system.

Ans 1: Engage in planning and creating devices that make a utilization of forces from outside to accomplish work, For instance a robotic arm applied on assembly line for packaging of products in factories.

Q8. Differentiate between Physical and Chemical system.

Ans 1: Physical systems: Physical systems are composed of physical components and governed by the laws of physics. They include things ranging from subatomic particles, atoms, planets, stars, galaxies, and comets.
Chemical system: Chemical systems involve substances and their interactions, transformations, and reactions; they are governed by the laws of chemistry.

Q9. Define Knowledge system.

Ans 1: A knowledge system is unique because it is developed to capture, process, facilitate storage, retrieval, and management of information.

Q10. Define Knowledge systems.

Ans 1: A knowledge system is unique because it is developed to capture, process, facilitate, store, retrieve, and manage information.
