

Computer Science (New Book) - 9th Class Computer Science English Medium Short Question Preparations

Q1. Define Natural system

Ans 1: Natural system are those that exist innatur eand operate independently of human involvement They are governed by natural laws and process. Following are teh examples of some natural system that exist in nature.

Q2. Define Hardware and software.

Ans 1: A compute rsystem is a structured set of hardware and software components speciaficially desinge for data processing and the performance of various operations. These system can range from simple technoligical tools, such as calculation used for performign mathematical calculations to complex network fo linked computers.

Ans 2: Hardware:

Hardware of a computer system refers to the tangible components of the syste. These include the central processing Unit Random access memory stroage devices and input and output devices.

Ans 3: Software:

Software refers to a collection of instructions that dictate the requirement and actions that hardware must do /There exist two primary categoris System software and application software, System Software encompasses the Operating system and utility applications responsible for managing the computers resources such as Windows, macOs, and Linux developed to carry out certain function for the user, such as word processors web browsers, and games.

Q3. Describe the role of Mathematics in knowledge system.

Ans 1: Mathematics is a field of knowledge which is studied to focus problems connected to numbers, their amounts, forms structure and patterns.

Q4. Define Knowledge system.

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

Q5. Menation some examples of Nature System.

Ans 1: Physical system.

Chemical system Biological system Psycholigical system. **Ans 1:** The Von Neumann architechtur eis a computer paradigm that delineates a system in whic the hardware of the computer has four primary components. The memory, the Centrla Processing Unit, Input mechanisms, and output mechanisms. This model is called the JohnVon Neumann model, The Neumann model named in honor of the mathematician and physicist who contributed to its development duirn the 1940s

Q7. Mention some important sytpes of Artificial system.

Ans 1: Theree are differente types artififial systems, some of which are described below.

Knowledge systems Engineering systems Social system

Q8. What do you know about Engieering system.

Ans 1: Product developed by engineers are complex frameeworks or device sthat apply egineering concpet to perform certain tasks or solve technical challenges. These are some examples of how engineers of various types develop system according to their own special knowledge and perspecive, given to them through their original vaisions and approaches.

Q9. What are the Biological system.

Ans 1: Biological systems consists of living organism and their interactions They are governed by bioligical processes susch as growth, reproduction, and metabolism.

Q10. Define and describe the concept of a system.

Ans 1: A system is described by its objectives components, communciation among components and environment in which it works. The components of a system communicaate with teach other to achieve the systems, objective in an environment. System can be simple, like a thermostar, or complex, like the human body or a computer network.