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

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 Social System.

Ans 1: Social system refer to structured frameworks established individual to effectively handle social interactions, organizatinal governance, and commual edeavors, The basic goal of these system is to maintain in order, provide serices and faciliate social connections.

Q3. Define Hardware and software.

Ans 1: A compute rsytem 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 technoligicla tools, such as calculation used for performign mathematical calculations to complex netwwork 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 inputand output devices.

Ans 3: Software:
Software refers to a collection of instructions tha dictate the requirement and actions that hardware must do /There exist two primary categrois 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.

Q4. Define Physical System

Ans 1: Physical System are composed of physical components and governed by the laws of physics. They include thing rangig from sub atomic particles, atoms, planets, stars, galaxies, and customs. physical system, like any kind of matter, emerge from the interactions of electrons, protons, neutrons and sub atomic particles which are governed by electric and atomic forces.

Q5. 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.

Q6. Explain the Von Neumann Architecture of a computer.

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

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Q7. Define Knowledge system.

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

Q8. Mention some important sytpes of Artificial system.

Ans 1: Theree are differente types artifiial systems, some of which are described below.
Knowledge systems
Engineering systems
Social system

Q9. What is Metro Train system

Ans 1: The Metro train systemis Lahore is an artifical system created for efficient transporation. The railway system consists of tracks, trains, stations, and control systems that transport people betwene locations.

Q10. Menation some examples of Nature System.

Ans 1: Physical system.
Chemical system
Biological system
Psycholigical system.