Foundation of information technology chapter 2 computer system answers class

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What is a Computer?

A computer is an electronic device that receives input, processes information, stores data, and provides output. It consists of hardware and software components that work together to accomplish these tasks.

How Does a Computer Work?

A computer system operates based on the following steps:

- **Input:** Data is entered into the computer using devices such as a keyboard, mouse, or scanner.
- **Processing:** The data is processed by the central processing unit (CPU) according to a set of instructions known as software.
- **Storage:** The processed data is stored in memory or on storage devices such as hard drives or optical discs.
- **Output:** The results of the processing are presented to the user through devices such as a monitor, printer, or speakers.

What is Computer Software?

Computer software is a set of instructions that direct the computer's hardware to perform specific tasks. There are two main types of software:

* **System Software:** Manages the basic operations of the computer, such as the operating system and device drivers.
* **Application Software:** Enables users to perform specific tasks, such as word processing, spreadsheets, and games.

What is the Use of Folders in a Computer System?

Folders are used to organize files and directories on a computer. They help users to:

* Keep files related to a particular project or topic together in one location.
* Easily navigate and find files.
* Prevent conflicts between files with similar names.

What Does the CPU Do?

The CPU (Central Processing Unit) is the brain of the computer. It:

* Interprets and executes instructions received from software.
* Performs calculations and logical operations.
* Controls the overall flow of information within the computer system.

What is AI (Artificial Intelligence)?

AI refers to the ability of machines to perform tasks that typically require human intelligence, such as:

* Learning
* Reasoning
* Problem-solving
* Making decisions

What is BIOS?

BIOS (Basic Input/Output System) is a low-level software that:

- Initializes the hardware components of the computer during startup.

- Provides basic input and output functions.

- Stores system configuration settings.

How is Antivirus Useful?

An antivirus is a software program that:

- Detects and removes malicious software (viruses) from a computer.

- Prevents viruses from infecting the computer.

- Protects personal and confidential data from unauthorized access.

What is Computer (Short Form)?

The short form of computer is "comp."

What is Computer Language?

Computer language refers to a set of instructions or commands used by programmers to create software. Each language has its own syntax and semantics.

What do You Mean by IT?

IT (Information Technology) refers to the study and application of computers and communication technologies to:

- Store, process, and transmit information.

- Develop and implement software and hardware solutions.

- Manage and secure computer systems and networks.

What is a Laptop Computer?

A laptop computer is a portable computer that combines the features of a desktop computer into a single, compact device. It typically includes:

- A built-in keyboard and trackpad
- A display screen
- A battery for power
- Wireless connectivity capabilities

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