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QUESTION 1

a. Define a computer and explain its four major functions.

A computer is an electronic device that accepts data, processes it, stores it, and produces information as output.

Four major functions:

1. Input – Receiving data (e.g., keyboard, mouse)
2. Processing – Converting data into meaningful information
3. Storage – Saving data for future use
4. Output – Displaying results (monitor, printer)

b. Describe the basic components of a computer system with examples.

Basic components of a computer system:

1. Hardware – Physical parts (keyboard, monitor, CPU)
2. Software – Programs (Windows, Microsoft Word)

QUESTION 2

a. Differentiate between hardware and software.

Hardware: Physical parts of a computer while the..

Software: Programs that control the hardware.

b. Explain the two main types of software, giving at least three examples each.

1. System Software – is the software that controls the operation of a computer and allows other programs to run. Examples-Windows, Linux, macOS

2. Application Software – is the software designed to help users perform specific tasks on a computer. Examples - Microsoft Word, Excel, Google Chrome

QUESTION 3

a. Explain the concept of booting.

Booting is the process of starting a computer and loading the operating system.

b. Describe the step-by-step booting process of a computer system.

1. Power button is pressed

2. POST runs

3. BIOS/UEFI starts

4. Bootloader loads

5. Operating system loads

6. Login screen appears

QUESTION 4

a. Define file management.

File management is organizing and handling files on a computer.

b. Explain five common file operations and their importance.

1. Create file – Makes new files

2. Open file – Access files

3. Save file – Stores changes

4. Delete file – Removes files

5. Rename file – Changes file names

QUESTION 5

a. Discuss the applications of computers in healthcare or animal health service.

1. Record keeping
2. Disease diagnosis
3. Health monitoring
4. Farm management
5. Communication

b. Highlight four common computer problems and their solutions.

1. Slow performance – Delete files, upgrade RAM
2. Virus attack – Use antivirus
3. System crash – Restart/check software
4. Hardware failure – Repair or replace