

Reg:2020/HND/38428/AHPT

Dept: animal health and production technology

Level:HND 2

Assignment on computer Application

Question

1a. Definition of a computer and explain its four major functions

A computer is an electronic device that accepts data as input, processes it according to instructions, stores it, and produces meaningful information as output.

Ans: input : Receiving data (e.g., keyboard mouse).

processing: converting data into information using the CPU.

Output: Displaying results (e.g., monitor, printer).

Storage: Saving data for future use(e.g., hard drive, flash drive).

1b. Describe the basic components of a computer system with examples.

Ans: input Devices: Keyboard, mouse, scanner.

Central processing unit (CPU): Brain of a computer; processes data.

Output Devices: Monitor, printer, speakers.

Storage Devices: Hard disk, USB drive, memory card .

## Question 2

a differentiate between hardware and software.

Hardware: physical parts of a computer you can see and touch (e. g, keyboard, monitor).

Software: programs and instructions that tell the computer what to do(e .g, application, operating system).

2b.explain the two main types of software, giving at least three examples each .

Ans: Control and manages computer hardware.

Examples: windows, Linux, macOS .

Application Software: Helps users perform specific tasks.

Examples: Microsoft Word, Excel, PowerPoint.

## 3.Question

explain the concept of booting.

Ans: Booting is the process of starting or restarting a computer and loading the operating system.

3b. Describe the step by step for booting process of a computer system.

Ans :

Power button is pressed.

BIOS(Basic input/output System)is activated.

POST (power -On Self-Test) checks hardware components.

Bootloader is loaded from storage device.

Operating system (OS)is loaded into memory.

Computer becomes ready for use.

Question 4.

Define file management

Ans: file management is the process of organizing, storing, retrieving, and managing files on a computer system.

4b: Explain five common files operations and their importance

Ans: create: Making a new file (helps store new information).

Open: Accessing a file (allows viewing or editing).

Save: storing changes (prevent data loss).

Delete: Removing unwanted files (frees up space).

Rename: Changing file name+ (Improves organization).

Question 5.

Discuss the application of computer in healthcare or animal health services.

Ans:

Record keeping for patients/animals.

Diagnosis and laboratory analysis.

Monitoring animals health and production.

Research and data analysis.

5b Highlight four common computer problems and their solutions.

Slow performance

Solution: Delete unnecessary files, upgrade RAM.

Virus infection

Solution: install and update antivirus software.

System Crash

Solution: Restart system or reinstall OS.

Hardware failure

Solution: Repair or replace faulty components