

NAME: OKPANI JEREMIAH IBEABUCHI
REG NO: 2024/HND/39042/AHPT
DEPT: ANIMAL HEALTH AND PRODUCTION
TECHNOLOGY

COMPUTER STUDIES ASSIGNMENT

QUESTION 1

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

Four major functions of a computer:

1. Input – receiving data (e.g., keyboard, mouse)
2. Processing – manipulating data (CPU)
3. Storage – saving data (hard drive, memory)
4. Output – displaying results (monitor, printer)

b. Basic components of a computer system:

1. Hardware – physical parts like CPU, monitor, keyboard
2. Software – programs like operating systems and applications
3. Data – raw facts processed by the computer
4. Users – people who operate the computer

QUESTION 2

a. Difference between hardware and software:

Hardware refers to the physical components of a computer, while software refers to programs and instructions that run on the hardware.

b. Two main types of software:

1. System software – e.g., Windows, Linux, macOS
2. Application software – e.g., Microsoft Word, Excel, Google Chrome

QUESTION 3

a. Booting is the process of starting or restarting a computer and loading the operating system into memory.

b. Steps in booting process:

1. Power on the computer
2. BIOS/UEFI performs POST (hardware check)
3. Boot loader is activated
4. Operating system is loaded into RAM
5. System becomes ready for use

QUESTION 4

a. File management is the process of organizing, storing, and managing files on a computer system.

b. Common file operations:

1. Create – making new files
2. Open – accessing files
3. Save – storing changes
4. Rename – changing file name
5. Delete – removing files

QUESTION 5

a. Applications of computers in healthcare/animal health:

1. Record keeping of patients/animals
2. Diagnosis and laboratory analysis
3. Monitoring animal health
4. Research and data analysis
5. Communication between professionals

b. Common computer problems and solutions:

1. Slow performance – clean disk, remove viruses
2. Virus attack – install antivirus software
3. System crash – restart or reinstall OS
4. Hardware failure – repair or replace components