Attempt the all question.

1. Why is the binary numbering system used for representing digital data on computers?
(b) Convert the
(i) Binary number 1110101011 to its hexadecimal equivalent.
(ii) Decimal number 121 to its octal equivalent.
(c) (i) Define a Kilobyte.
(ii) Convert 0.001 megabytes to bits.
(d) State any **three** differences between the characteristics of RAM and ROM.

RAM	ROM
1.	1.
2.	2.
3.	3.
4.	4.

2. Write the following computing acronyms in full;
(a) GUI:
(b) CMOS:
(c) MIDI:
(d) ALU:
(e) USB:
(f) GHz:
(g) DRAM:
(h) EEPROM:
(i) ASCII:
(j) LCD:

3. Differentiate between **Computer Ethics** and **Computer Integrity**.(*4 marks*)
(b) Mention any **six** safety precautions that should be observed to provide a conducive working environment for hardware, software and human ware in a computer laboratory.
Write the following computing acronyms in full:
(i) **VLSI**
(ii) **ENIAC**
(b) Mention any **six** setbacks that were associated with the first generation computers **(1946 – 1958):**

4. Write keyboard shortcuts used for:
   (a) Displaying the Start Menu
   (b) Copying text
   (c) Pasting text
   (d) Underline
   (e) Bolding
   (f) text Align right
   (g) Spell Checker
   (a) To control a video game. *(1mark)*

5. Name **two** kinds of information normally requested before access is granted
to log on to a multiuser operating system
(i) What is a **VDU Output Device**?
Outline any **four** examples of VDU Output Devices you know.
(b) (i) What is a **Printer**?
(ii) Outline any four examples of **non-impact** printers.

6. Computer memory is now days commonly expressed in terms of the number of Gigabytes.
a) What is meant by the term **Gigabyte**?
(b) Floppy Disks and CD-ROMs are used as backup media for computers.

State any **three** differences between the characteristics of Floppy Disks and CD-ROMs.

Floppy Disks	CD-ROMs
1.	1.
2.	2.
3.	3.

(c) What can cause a hard disk **head crash**?

7. (a) What is a **Computer Generation**?

 (b) In the table below, state the following characteristics of the second and forth computer generations.

Second generation	Fourth generation

8. (a)Mention the uses of computers in the area of communication

(b) State any five demerits of using computers to our society

9. a)What are utility programs

10. a) What is the difference between data and information

b) What is the function of the CPU in a computer system?

(c) Give three components of the CPU and state their roles

(d)Distinguish between primary and secondary storage.

END