COMPUTER STUDIES
FORM ONE
MARKING SCHEME

1. Define the following terms
   a. Computer.   3mks

A computer is an electronic device that accepts user input(data) and transmit it under influence of sets of special instructions (programs) to produce the desired output information)

   b. Data   2mks

They are raw facts that are meaningless to the user and cannot be used to make a decision.

   c. Processing   2mks

Refers to the way data is manipulated to turn into information.

   d. Information   2mks

Refers to the processed data that is meaningful to the user.

2. State the different parts that make up a computer.   4mks
   System unit
   Mouse
   Keyboard
   Monitor

3. Give four characteristics of a computer.   4mks
   i.   **Fast**
   ii.   **Accurate**
   iii. **Versatile**
   iv.   **Reliable**
   v.   **Memory**
   vi.   **diligent**

4. Define peripheral devices.   2mks

Refers to the physical devices connected to the system unit through connectors known as ports.

5. List 5 peripheral devices   5mks
   a. **Monitor**
   b. **Keyboard**
   c. **Mouse**
   d. **Speaker**
   e. **Flash disk**

f. **printer**
6. Name two desktop form factor.   2mks
   - **Desktop type**
   - **Tower type**
7. Why is the screen referred to us as a monitor   3mks

Because it enables the user to monitor and see what is going on in the computer system

8. With the aid of a diagram differentiate between a tower type and desktop type.   6mks

9. Classify computers and give two examples of each classification.   6mks
   According to physical size
   - ✓ Supercomputers
   - ✓ Mainfraime
   - ✓ Minicomputers
   - ✓ microcomputers
   According to purpose
   - ✓ General purpose
   - ✓ Special purpose
   According to functionality
   - ✓ Anolog
   - ✓ Digital
   - ✓ hybrid
10. why is a mobile phone regarded to be a computer   3mks
    it is electronic, has a screen,keypad,memory and is programmable
11. Give three characteristics of first generation computers   3mks

12. List 5 mechanical computers   5mks

    - ✓ Abacus
    - ✓ Napier's bones
    - ✓ Slide rule
    - ✓ Pascaline machine
    - ✓ Analytical engine
13. Match the following generations of computers with the technology used to develop them. 4mks
    a. First Generation   Very Large Scale Integrated Circuits
    b. Second Generation   Thermionic Valves(Vacuum Tubes)
    c. Third Generation   Transistors
    d. Fourth Generation   Integrated Circuits
14. Who developed the analytical engine?   1mk
    Charles babbage
15. Define the term artificial intelligence   2mks
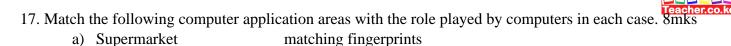   Capability of a computer to perform some functions like human beings.
16. Write the following acronyms in full
    ENIAC   electronic numeric integrator and calculator
    VLSI   very large scale integrated
    IC   integrated circuits

17. Match the following computer application areas with the role played by computers in each case. 8mks

a)	Supermarket	matching fingerprints
b)	Hospital	entertainment
c)	Bank	stock control
d)	hotel	booking rooms
e)	home	analyzing academic data
f)	school	manufacturing process control
g)	industry	life support machines
h)	police station	processing cheques