Understanding Basic Computer Concepts

- 1. Explain the function of a microprocessor in a computer system.
- 2. What is the difference between RAM and ROM in a computer system?
- 3. Describe the concept of a Turing machine and its significance in computer science.
- 4. Draw and label a functional system diagram of a computer and briefly describe the role of each component in the system. Your diagram should include the following components :
- Central Processing Unit (CPU)
- Memory (RAM and Storage)
- Input Devices
- Output Devices
- Bus
- Control Unit
- Arithmetic Logic Unit (ALU)

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