

## **Question Bank**

- 1. Define microinstruction, microprogram, micro operation, control memory?**
- 2. Define hardwired and microprogrammed?**
- 3. Compare the performance of Hardwired Control Units with Microprogrammed Control Units.**
- 4. What are addressing modes? Why are they important in instruction set design?**
- 5. What are the primary components of a CPU? Explain the role of the Arithmetic Logic Unit (ALU), Control Unit (CU), and Registers in the CPU.**
- 6. List the data transfer instructions with an example?**
- 7. Discuss the data manipulation instruction sets with examples?**
- 8. Explain the microprogrammed control organization?**
- 9. Discuss the different types of addressing modes with examples**
- 10. Explain control memory with block diagram**