

Assignment
COMPUTER ORGANIZATION

1. Addressing modes with one example.
2. The role of an Arithmetic Logic Unit (ALU).
3. What is cache memory?
4. Direct Memory Access (DMA)?
5. Differentiate between primary and secondary memory.
6. Multiprocessor with Diagram?
7. Define Von Neumann architecture.
8. The four generations of computers List.
9. Register in computer organization?
10. Differentiate between hardwired and micro programmed control units.
11. What are instruction codes?
12. Draw and label a neat diagram of the memory hierarchy
13. Explain the evolution of microprocessors.
14. Differentiate between arithmetic, logic, and shift micro-operations.
15. What are interrupts? Explain their importance.
16. The **evolution** of computers through different generations.
17. Detail the execution of an instruction in a basic computer.
18. **Describe** the design and working of a hardwired control unit. Compare it with micro programmed control.
19. **Multiplication** and division algorithms in arithmetic processors.
20. **Memory hierarchy** in computer systems with its significance.
21. The concept of microprogramming.
22. Stack organization with an example.
23. Floating-point representation?
24. Virtual memory and why is it important?