

## Computer System Architecture Question Paper

- Q1. Explain the basic structure of a computer system. (5 Marks)
- Q2. What is the difference between RISC and CISC architectures? (5 Marks)
- Q3. Describe the concept of pipelining in CPUs. (5 Marks)
- Q4. What are the different types of addressing modes? (5 Marks)
- Q5. Explain the Von Neumann architecture. (5 Marks)
- Q6. Describe the function of control unit and ALU. (5 Marks)
- Q7. What is cache memory and how does it work? (5 Marks)
- Q8. Explain the concept of memory hierarchy. (5 Marks)
- Q9. What are flip-flops and how are they used in digital circuits? (5 Marks)
- Q10. Describe the function of a register in CPU. (5 Marks)
- Q11. What is instruction cycle? (5 Marks)
- Q12. Explain the difference between combinational and sequential circuits. (5 Marks)
- Q13. What is microprogramming? (5 Marks)
- Q14. Describe the use of multiplexers and demultiplexers. (5 Marks)
- Q15. What is a bus in computer architecture? (5 Marks)
- Q16. Explain the difference between synchronous and asynchronous data transfer. (5 Marks)