

Question Bank
MCA I Semester
Computer Organization and Architecture
(KCA-105)

1. Draw and explain the block diagram of a simple computer with 5 functional unit?
2. What is a Register? Explain different types of registers and its working.
3. How does Computer organization affect the performance of a computer system?
4. Explain the addressing modes along with its types.
5. How the execution of a complement instruction takes place in multi bus organization. Explain in detail.
6. What are the major functions of a processor? Explain them with the help of a flowchart.
7. Explain multiple bus hierarchy.
8. What are the advantages of using many registers.
9. Explain the bus structure.
10. What do you mean by a Bus? Explain different types of Buses?
11. What do you mean by Bus Arbitration?
12. Explain how memory transfer takes place in computer system
13. Discuss general register Organization with suitable diagram?
14. What do you mean by Processor Organization? Explain various types of Processor Organization?
15. Explain Half Adder with table and diagram.
16. Explain Full Adder with table and diagram.
17. Explain Multiplexer in detail.
18. Describe all types of Flip-Flops
19. Explain Karnaugh Map in detail.
20. Explain POS and SOP form in Boolean algebra.