

Computer Organization & Architecture (23CS304)

Assignment - 3 Imp Questions.

1. Define Data types & Explain about Fixed-Point Representation?
2. Define Data types & Explain about Floating -Point Representation?
3. What is the Hardware implementation for signed-magnitude addition and subtraction? And explain the flowchart for the hardware algorithm?
4. What is the Multiplication Algorithms? And how to implement for signed-magnitude data and draw the flowchart for multiplication operation?
5. Explain about Booth's algorithm for multiplication of signed-2's complement number and draw the flowchart for Booth's algorithm for multiplication?
6. Explain about division of two-fixed point binary numbers in signed-magnitude data and draw the flowchart for divide operation?
7. What are the registers for floating-point Arithmetic operations?
8. What is the multiplication of two floating-point numbers?
9. What is the floating-point numbers for division?
10. Design a Decimal Arithmetic Unit to perform BCD- Addition and BCD-Subtraction?