

Assignment – 2

Subject Name	Subject Code	Issue Date	Due Date
Computer Organization and Architecture	01CE1402	19-02-2024	15-03-2024

Que. No.	Question
1	Draw and explain first pass assembler.
2	Draw and explain second pass assembler.
3	Write an ALP to add 100 numbers.
4	Write an ALP program to multiplication of two binary number.
5	Explain Register & Memory Stack Organization.
6	Convert the following numerical arithmetic expression into reverse polish notation and show the stack operations for evaluating numerical result. 1. $(3*4) + (5*6)$
7	Convert the expression $X = (A+B) * (C+D)$ in all instruction formats.
8	Explain any eight addressing modes.
9	Explain Status Bits condition with block diagram.
10	Discuss RISC and CISC characteristics.