

Jaypee Institute of Information Technology, Noida

Computer Organization and Architecture (15B11CI313)



Assignment – 3

- Q1)** Write an 8085 program to add two 8-bit numbers stored at memory locations 2000H and 2001H. Store the result at 2002H.
- Q2)** Write an 8085 assembly program to subtract two 8-bit numbers stored at memory locations 3000H and 3001H. Store the result at 3002H.
- Q3)** Write an 8085 program to exchange the contents of two memory locations 4000H and 4001H.
- Q4)** Write an 8085 program to multiply two 8-bit numbers using repeated addition.
- Q5)** Write an 8085 program to check if a given 8-bit number is even or odd.
- Q6)** Write an 8085 program to find the larger of two 8-bit numbers stored at 7000H and 7001H.
- Q7)** Write an 8085 program to count the number of ones in an 8-bit number stored at 8000H.
- Q8)** Write an 8085 program to interface an EPROM of 32KB and RAM of 32KB using address decoding.
- Q9)** Explain the function of a 3-to-8 decoder in memory interfacing with 8085.
- Q10)** Write an 8085 program to shift an 8-bit number left by 2 positions.