

Assume DS=1000H, SS=2000H, SI=3000H, BX=200H and BP=500H

Q1. MOV AX, [BX + SI] + 03_H

- (A) What addressing mode is used here
- (B) Calculate the physical address of the source register

Q2. MOV [BP] + 1245_H, CX

- (A) What addressing mode is used here
- (B) Calculate the physical address of the destination register

Q3. Find the equations of the offset or effective address of the destination operands of give examples:

Addressing Modes	Equation of the offset address Of the destination operands	Example (use AX register as Destination operand)
Memory Direct		
indirect		
Based		
Based-Indexed		
Indexed		
Immediate		

Q4. What are application for Index, Based and Based-indexes addressing modes.