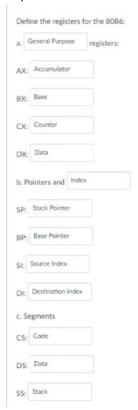
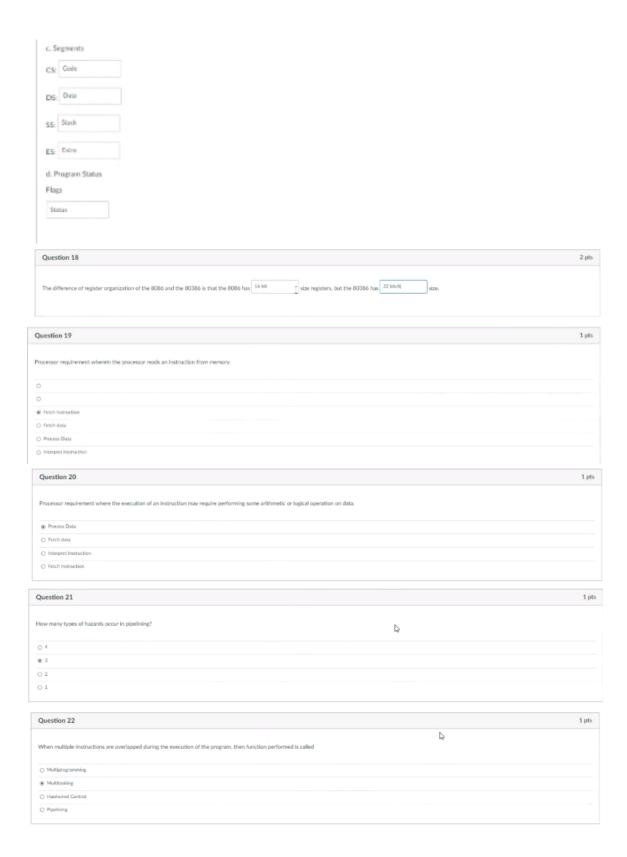
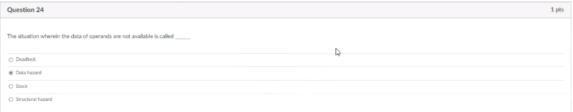
- 1. immediate operand mode
- 2. based mode
- 3. Immediate mode
- 4. 01011110
- 5. 10100010
- 6. 11110100
- 7. 0100 0001
- 8. 1011 0001
- 9. A. Immediate
 - B. Direct
 - C. Indirect
 - D. Register
 - E. Register Indirect
 - F. Displacement
 - G. Stack
- 10. Registers
- 11. Speed
- 12. Fetch-decode-Execute Cycle
- 13. Current IR
- 14. Control Bus
- 15. Accumulator(?)
- 16. Supervisor





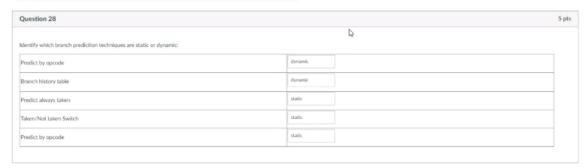








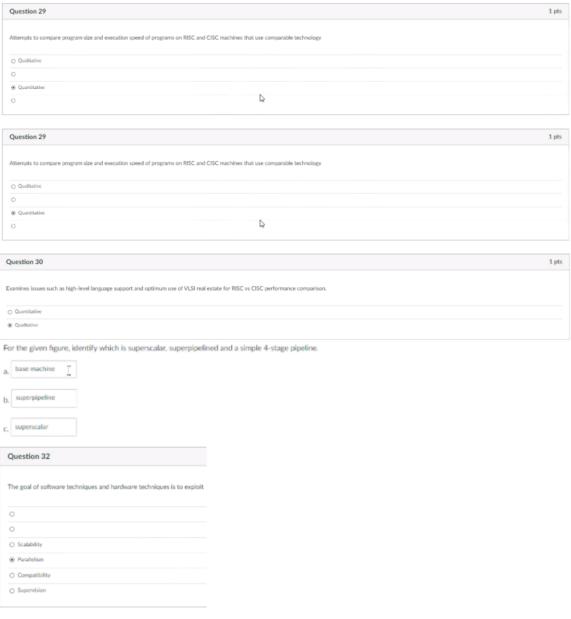




BRANCH PREDICTION Various techniques can be used to predict whether a branch will be taken. Among the more common are the following:

- Predict never taken
- Predict always taken
- Predict by opcode
- Taken/not taken switch
- Branch history table

The first three approaches are static: they do not depend on the execution history up to the time of the conditional branch instruction. The latter two approaches are dynamic: They depend on the execution history.



	uestion 33	
A	special hardware buffer is required for the instruction execution sequence, that holds the instruction results, this process is known as	
0	Ordered buffer	
0	Reorder truffer	
0	Control buffer	
8		
Qu	estion 33	
	pecial hardware buffer is required for the instruction execution sequence, that holds the instruction results, this process is known as	
As		
As	pecial hardware buffer is required for the instruction execution sequence, that holds the instruction results, this process is known as	
A s	pecial hardware buffer is required for the instruction execution sequence, that holds the instruction results, this process is known as Ordered buffer	

Objective	ASM Code
Obtain value from thermometer	Start: in ax, 125
Check if the temperature is 25 degrees	cmp ax , 25
If it is equal to 25, call onBurner	je onBurner
Complete onBurner definition	onBurner: out 127, 1 jmp Start