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340 - sec - 19

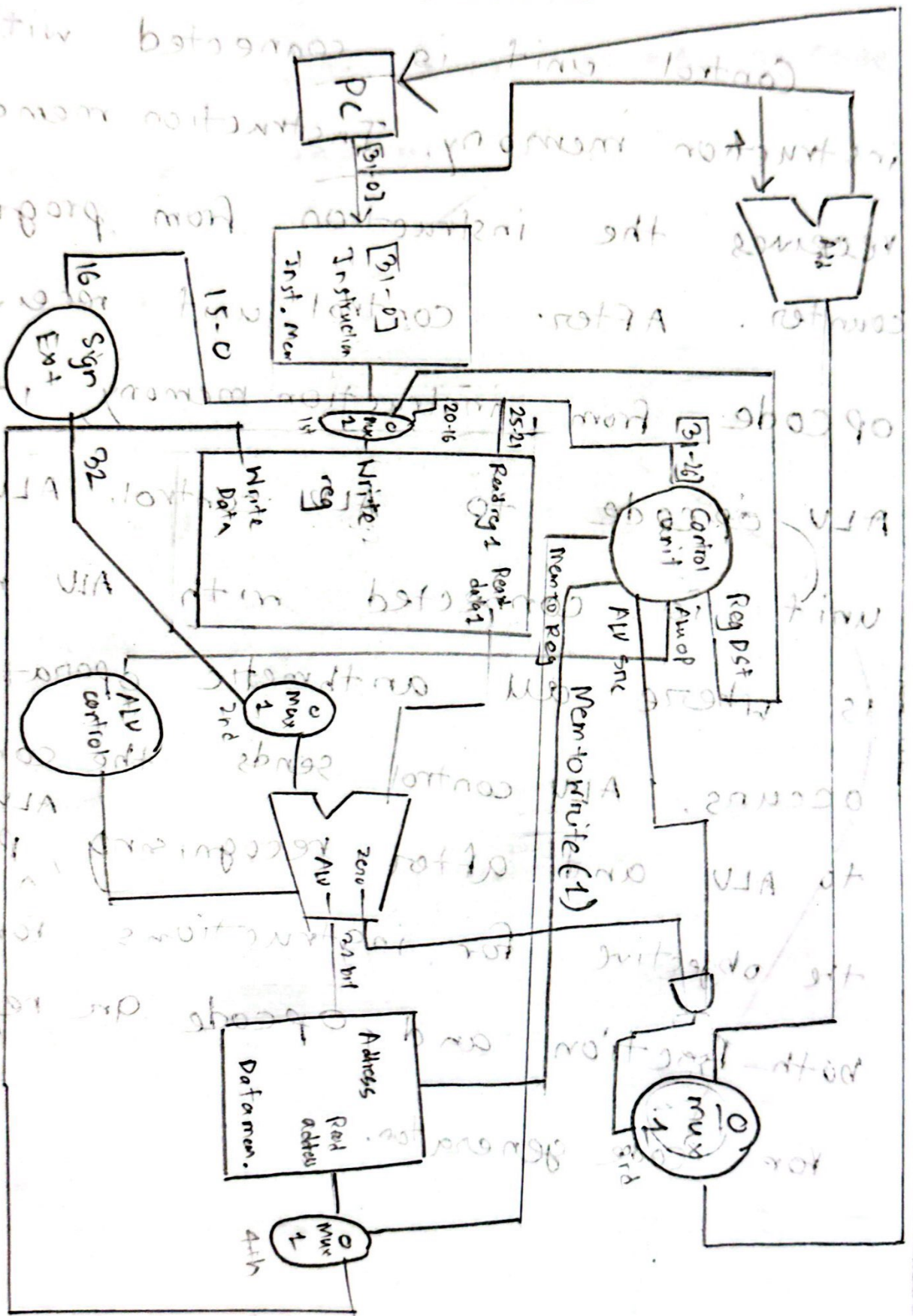
Quiz - 4

1(a)

(d)

Control unit is connected with instruction memory. Instruction memory receives the instruction from program counter. After control unit receives opcode from instruction memory, it sends 2 bit ALU opcode to ALU control. ALU control unit is connected with ALU which is where all arithmetic operations occurs. ALU control sends the code to ALU and after recognising, ^{ALU} performs the objective for instructions. For R type both function and opcode are required for code generator.

1(5)

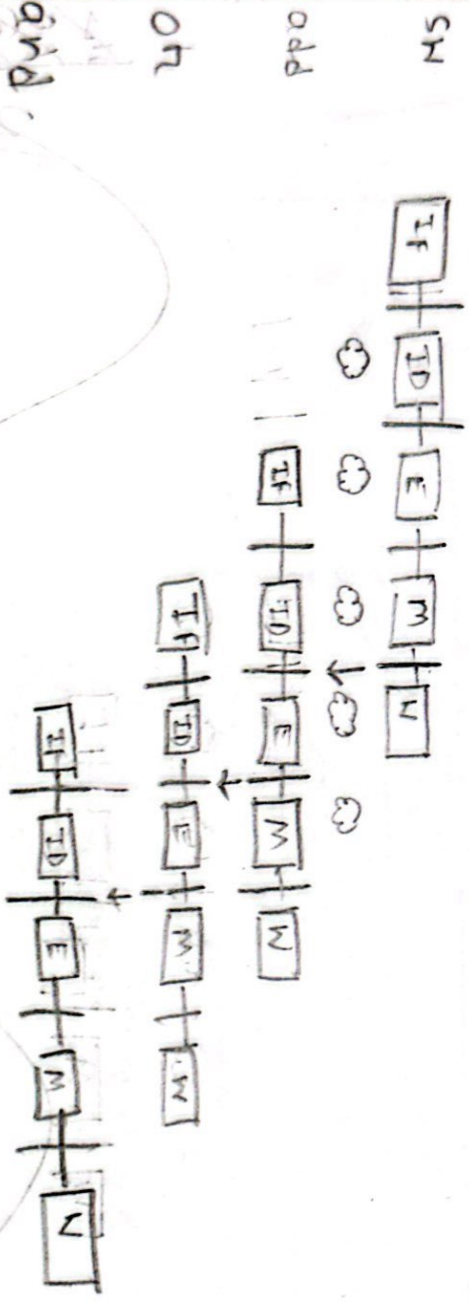


~~Revised~~

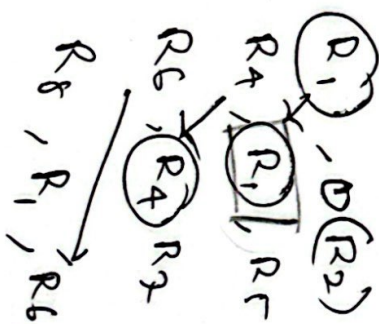
$$Mem = M$$

$$MB = W$$

$$EXE = E$$



Rough



SN	IF	ID	IF ID	M	HB	HB	HB	HB	HB
add		IF	ID	E	M_{inc}	WB			
OR			IF	ID	E	M_{inc}	WB		
add				IF	ID	E	M_R	M_B	

~~pass~~