IE1204 Digital Design Answer Form 2020-10-16

Full Name	Personal Number	Program

#	Answer with	Answer									Points
1	Decimal number										
2	8 bit two's complement binary number										
3	8 bit two's complement binary number										
4	Boolean expression, Y =										
5	Boolean expression, Y =										
6	Boolean expression, Y =										

#	Answer with		Answer	Points
7	MUX connections			
		Row CD = 00		
		Row CD = 01		
		Row CD = 10		
		Row CD = 11		

#			
8	Timing diagram		

Timing diagram with axis markings: 0 ms, 5 ms, 10 ms, 15 ms, 20 ms, 25 ms, 30 ms, 35 ms, 40 ms, 45 ms; signals CLK and Q.

| 9 | Timing diagram | | |

Timing diagram with axis markings: 0 ms, 5 ms, 10 ms, 15 ms, 20 ms, 25 ms, 30 ms, 35 ms, 40 ms, 45 ms; signals CLK and Q.

#	Answer with	Answer	Points
10	Setup condition	❑ Yes ❑ No	
	Hold condition	❑ Yes ❑ No	
11	Boolean expression		

12	16 bit two's complement binary number, MSB								
	LSB								

#	Answer with	Answer									Points
13	8 bit two's complement binary number										
14	Number interval										
15	5 result bits (S4 S3 S2 S1 S0)										
16	4 flag bits (V C N Z)										

TOTAL POINTS	Examiner sign	