IE1204 Digital Design Answer Form 2021-04-07

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 =		
7	MUX connections	Row CD = 00	
		Row CD = 01	
		Row CD = 10	
		Row CD = 11	
8	**Timing diagram**		
9	**Timing diagram**		
10	Setup condition Hold condition	❏ Yes ❏ No ❏ Yes ❏ No	
11	Boolean expression (Hazard fix only)		
12	16 bit two's complement binary number, MSB LSB		
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	

Timing diagram (8): CLK, Q — time axis 0 ms, 5 ms, 10 ms, 15 ms, 20 ms, 25 ms, 30 ms, 35 ms, 40 ms, 45 ms

Timing diagram (9): CLK, Q — time axis 0 ms, 5 ms, 10 ms, 15 ms, 20 ms, 25 ms, 30 ms, 35 ms, 40 ms, 45 ms