

IE1204 Digital Design Answer Form 2020-2021

Full Name		Personal Number	Program																				
#	Answer with	Answer	Points																				
1	Decimal number																						
2	8 bit two's complement binary number	<table border="1" style="width: 100%; height: 20px;"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																					
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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																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">0 ms</td> <td style="width: 10%;">5 ms</td> <td style="width: 10%;">10 ms</td> <td style="width: 10%;">15 ms</td> <td style="width: 10%;">20 ms</td> <td style="width: 10%;">25 ms</td> <td style="width: 10%;">30 ms</td> <td style="width: 10%;">35 ms</td> <td style="width: 10%;">40 ms</td> <td style="width: 10%;">45 ms</td> </tr> <tr> <td colspan="10"> </td> </tr> </table>	0 ms	5 ms	10 ms	15 ms	20 ms	25 ms	30 ms	35 ms	40 ms	45 ms												
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10	Setup condition	<input type="checkbox"/> Yes	<input type="checkbox"/> No																				
	Hold condition	<input type="checkbox"/> Yes	<input type="checkbox"/> No																				
11	Boolean expression																						
12	16 bit two's complement binary number, MSB	<table border="1" style="width: 100%; height: 20px;"> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>																					
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14	Number interval																						
15	5 result bits (S4 S3 S2 S1 S0)	<table border="1" style="width: 100%; height: 20px;"> <tr> <td></td><td></td><td></td><td></td><td></td> </tr> </table>																					
16	4 flag bits (V C N Z)	<table border="1" style="width: 100%; height: 20px;"> <tr> <td></td><td></td><td></td><td></td> </tr> </table>																					
TOTAL POINTS		Examiner sign																					