Sheet 1 Codes

1.	Excess-3, 2421 and 84-2-1 codes and Gray of	ess-3, 2421 and 84-2-1 codes and Gray code:		2421
	14610.86 - 13061.035 - 9767.78 - 2631.234		0	0000
			1	0001
2.	Convert each of the following number to	o decimal	2	0010
	(Mention if and why it does not represent this code):		3	0011
	$(01010111001110101000.01110101)_{\text{Excess-3}}$	24075.42	4	0100
	$(010000101110.00010010)_{2421}$	428.12	5	1011
	$(1100110100010011.001100000110)_{Gray}$ $(1100110100010011.001100000110)_{84-2-1}$ $(1000100100010011.001100000110)_{BCD}$		6	1100
		Not Valid	7	1101
		8913.306	8	1110
			9	1111

- 3. Determine the binary code for each of the first 15 decimal numbers $(0 \rightarrow 14)$ using weighted code with weights 7, 4, 2 and 1.
- 4. Add the following BCD numbers: 000110000100.10000010 and 010101110110.1001 0001001100000110.0011 and 0101001101100011.0101010 01101000100001101000.0101 and 0000100000011000.10000001
- 5. Subtract the following BCD numbers (using complement): 1000000110000100.10000010 and 010101110110.1001 01101000100001101000.0101 and 0000100000011000.10000001
- 6. Write your full name, address and telephone number in ASCII code.