Sheet 1 Codes

1.	Convert the following decimal numbers to BCD, Excess-3, 2421 and 84-2-1 codes and Gray code:	Decimal Digit	2421
	14610.86 - 13061.035 - 9767.78 - 2631.234	0	0000
		1	0001
2.	Convert each of the following number to decimal (Mention if and why it does not represent this code): (01010111001110101000.01110101) _{Excess-3} (010000101110.00010010) ₂₄₂₁ (1100110100010011.001100000110) _{Gray} (1100110100010011.001100000110) _{BCD}	2	0010
		3	0011
		4	0100
		5	1011
		6	1100
		7	1101
		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 0101001101100011.0101011 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.