The following exercises are adopted from the text book Modern Digital and Analog Communication Systems, Fourth Edition by B.P. Lathi and Zhi Ding.

Please answer **Q. No. *a*** and **Q. No. *b***, where

a = 1 + (last_3_digits_of_roll_number mod 16)

b = 39 - (last_3_digits_of_roll_number mod 23)

Pls submit **ONLY** scanned **handwritten** answer script as a **single pdf file** to moodle.

Q. No.	Problem# in text book	Chapter#	Q. No.	Problem# in text book	Chapter#
1	2.1-3	Chapter 2	17	3.1-1	Chapter 3
2	2.1-4		18	3.1-2	
3	2.1-5		19	3.1-3	
4	2.1-6		20	3.1-4	
5	2.1-8		21	3.1-5	
6	2.3-1		22	3.1-6	
7	2.3-2		23	3.1-7	
8	2.3-3		24	3.1-8	
9	2.3-6		25	3.2-1	
10	2.3-7		26	3.2-2	
11	2.7-1		27	3.2-3	
12	2.7-2		28	3.2-4	
13	2.7-3		29	3.2-5	
14	2.7-4		30	3.3-1	
15	2.7-5		31	3.3-2	
16	2.7-6		32	3.3-3	
			33	3.3-4	
			34	3.3-5	
			35	3.3-6	
			36	3.3-7	
			37	3.3-8	
			38	3.3-10	
			39	3.4-1	