

COMMUNICATION SYSTEMS

HOMEWORK # 4:

Please work out the **ten** (10) problems stated below – LD refers to the text: B.P. Lathi and Z. Ding, *Modern Digital and Analog Communication Systems* (Fourth Edition), Oxford University Press, Oxford (UK), 2009. Exercise **2.1-1** (LD) refers to Exercise 1 for Section 2.1 of LD.

Show work and **explain** reasoning. Three (3) problems, selected at random amongst these ten problems, will be marked.

1. _____

Problem **4.2-1** (LD).

2. _____

Problem **4.2-2** (LD).

3. _____

Problem **4.2-3** (LD).

4. _____

Problem **4.2-4** (LD).

5. _____

Problem **4.2-7** (LD).

6. _____

Problem **4.2-8** (LD).

7. _____

Problem **4.3-4** (LD).

8. _____

Problem **4.3-5** (LD).

9. _____

Problem **4.4-2** (LD).

10. _____

Problem **4.4-4** (LD).
