

## 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).

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