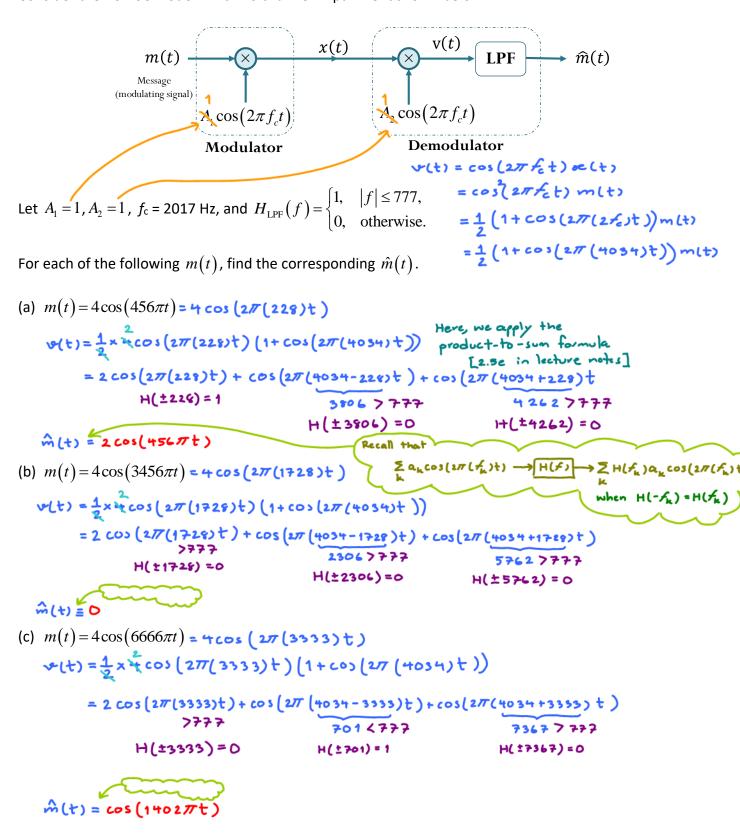
ECS 332: In-Class Exercise # 7

Instructions

- Separate into groups of no more than three persons. The group cannot be the same as any of your former groups.
- Write down all the steps that you have done to obtain your answers. You may not get full credit even when your answer is correct without showing how you get your answer.
- "ENRPr" = Explanation is not required for this problem.
 "ENRPa" = Explanation is not required for this part.
- 4. Do not panic.
- 1. Consider the DSB-SC modem with no channel impairment shown below.

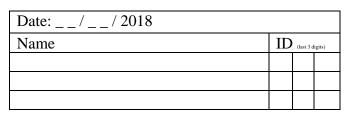
Date: 19 / 09 / 2018			
Name	ID (last 3 digits)		
Prapun	5	5	5
•			

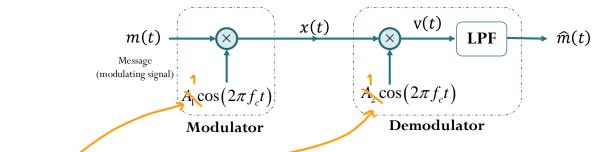


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- Consider the DSB-SC modem with no channel impairment shown below.





Let $A_1 = 1$, $A_2 = 1$, $f_c = 2017$ Hz, and $H_{LPF}(f) = \begin{cases} 1, & |f| \le 777, \\ 0, & \text{otherwise.} \end{cases}$

Recall that when alt) = b(t) cos(2 Tfet) $A(\neq) = \frac{1}{2}B(f - f_c) + \frac{1}{2}B(f + f_c).$

Here, we apply the above process twice.

