**Faculty Member: Date:** .

**Semester: Section:** .

**EE-351 Communication Systems**

**Lab 11: PULSE AMPLITUDE MODULTION**

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| --- | --- | --- | --- | --- | --- | --- |
|  |  | **PLO4-CLO4** | | **PLO5-CLO5** | **PLO8-CLO6** | **PLO9-CLO7** |
| **Name** | **Reg. No** | **Viva / Quiz / Lab Performance** | **Analysis of data in Lab Report** | **Modern Tool Usage** | **Ethics and Safety** | **Individual and Team Work** |
|  |  | **5 Marks** | **5 Marks** | **5 Marks** | **5 Marks** | **5 Marks** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**Lab 11: PULSE AMPLITUDE MODULTION**

**Objectives**

To Understand the concept of Pulse Amplitude modulation with the help of DIGITAL COMMUNICATION BOARD 1 and observe its results.

**Lab Instructions**

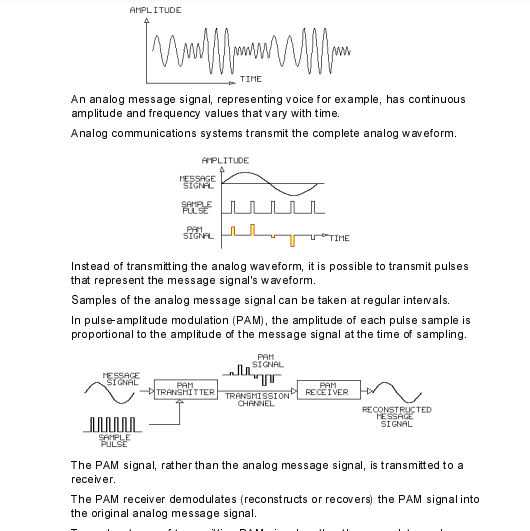
* The students should perform and demonstrate each lab task separately for stepwise evaluation
* Each group shall submit lab report on LMS within 6 days after lab is conducted. Lab report submitted via email will not be graded.
* Students are however encouraged to practice on their own in spare time for enhancing their skills.
* Complete as many problems as you can within the allotted time.
* Talk to your classmates for help

**Lab Report Instructions**

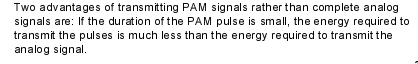
All questions should be answered precisely to get maximum credit. Lab report must ensure following items:

* Lab objective
* Results (screen shots) duly commented and discussed.
* Conclusion

**Introduction:**

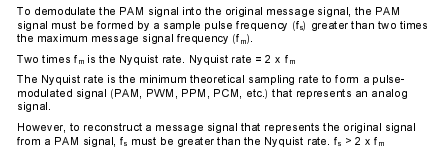


**Advantages:**

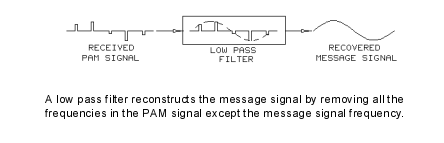




**Note**



**Demodulation:**



**Tasks**

* The procedure is divided into two sections.
* Sampling a massage signal to form a PAM signal
* PAM Signal Power

**Modulation**

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**A close-up of a document

Description automatically generated with medium confidence**

**Diagram, engineering drawing

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**A screenshot of a computer

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**Diagram, engineering drawing

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**Diagram

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**Diagram

Description automatically generated**

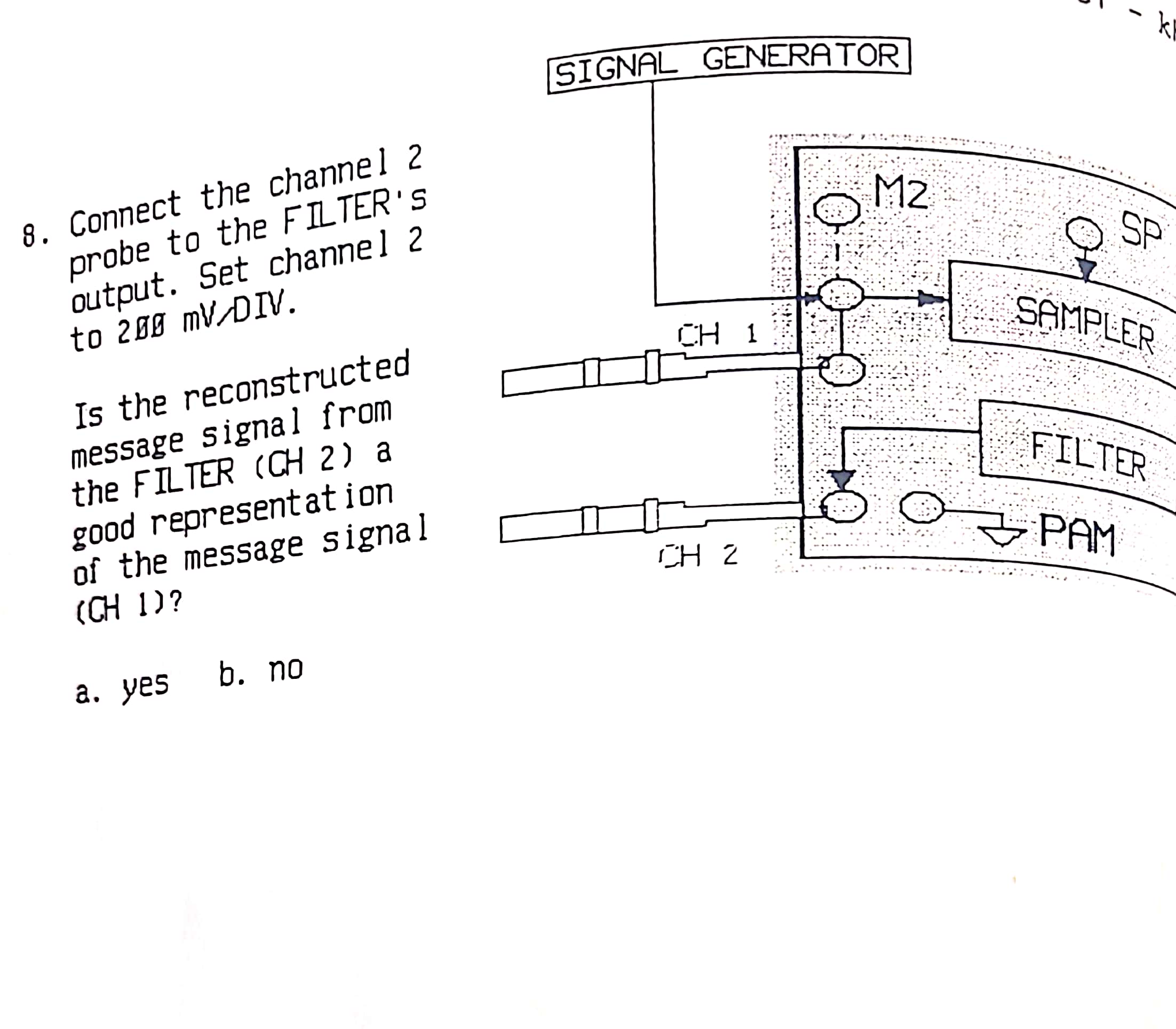
**Demodulation:**

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**A picture containing text, receipt

Description automatically generated**

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**A screenshot of a computer

Description automatically generated with low confidence**