

AMERICAN INTERNATIONAL UNIVERSITY- BANGLADESH
Laboratory Report



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| Report Title: | Study of Amplitude Modulation and Demodulation using Simulink | | |
| Lab Report No: | 06 | Date of Submission: | 23-07-22 |
| Submitted by: | Samira Kabir Rima | ID: | 20-42406-1 |
| Semester: | Summer 21-22 | Program: | BSc. CSE |
| Course Code: | COE3103 | Course Title: | Data Communication |
| Course Instructor: | Afsah Sharmin | Section: | B |

Simulink Practice Task:

| Block Diagram | Output Waves |
|--|---|
| <p>Here,</p> <p>Carrier Signal frequency = $2 \times \pi \times 25$</p> <p>Sample Time = $\frac{1}{5000}$</p> <p>Message Signal frequency = $2 \times \pi$</p> <p>Sample Time = $\frac{1}{5000}$</p> <p>Amplitudes of both signals are 1</p> | <p>Carrier Signal</p> <p>Message Signal</p> <p>Modulated Signal</p> |

Amplitude Modulation and Demodulation are given below:

