



Faculty of Electrical & Electronics Engineering
BEE 3413 Principles of Communication Systems

Name: _____

ID: _____

Section: _____

Date: _____

QUIZ 2

Mapping CO, PO, Domain, KI : C01, P01, C4

C01: Analyze and differentiate analog modulation and demodulation techniques

P02: Identify, formulate, research literature and analyse complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences;

C4: Analysis

An FM modulator has unmodulated carrier voltage $V_c = 20V_p$, modulating index $m = 1.5$ and a load resistance $R_L = 50\Omega$. Determine the power in the modulated carrier and each significant side frequencies.