

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

Name:	ID:
Section:	Date:

QUIZ 3

Mapping CO, PO, Domain, KI: CO1, PO1, C4

- CO1: Analyze and differentiate various types of modulation and demodulation techniques.
- PO2: Ability to acquire in-depth technical competency in specific engineering discipline
- C4: Analysis

Based on the audio signal as in Figure 1, sampled, quantized and encodes the signal using PCM techniques. Assume sampling time is 400 kHz and the encoder is 3 bit encoder.

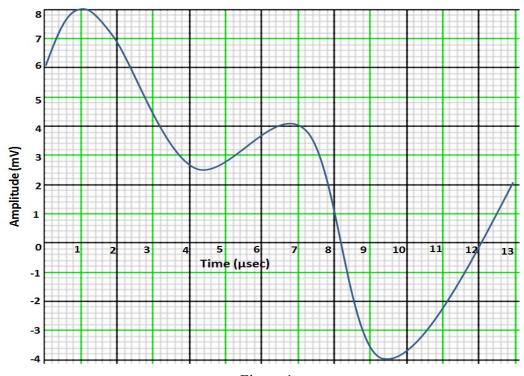


Figure 1

[10 Marks]