

# King Fahd University of Petroleum and Minerals

University Diploma Programs  
Electronic Equipment Maintenance

## EET-029: Introduction to Communications

### Quiz # 5

Name: \_\_\_\_\_ ID #: \_\_\_\_\_

1. A 500-Hz modulating voltage fed into a PM generator produces a frequency deviation of 2.25 kHz. What is the modulation index? If the amplitude of the modulating voltage is kept constant, but its frequency is raised to 6 kHz, what is the new deviation?

2. What is the function of the balanced modulator in the Armstrong modulation system?

3. What is pre-emphasis? Why is it used?