

King Fahd University of Petroleum and Minerals

University Diploma Programs

Electronic Equipment Maintenance

EET-029: Introduction to Communications

Quiz # 3

Name: _____

ID #: _____

1. When the modulation percentage is 75, an AM transmitter produces 10 kW. How much of this is carrier power? What would be the percentage power saving if the carrier and one of the sidebands were suppressed before transmission took place?

2. A 1000 kHz carrier is simultaneously modulated with 300 Hz, 800 Hz and 2 kHz audio sine waves. What will be the frequencies present in the output?