

King Fahd University of Petroleum and Minerals

University Diploma Programs Electronic Equipment Maintenance EET-029: Introduction to Communications

Home Work # 7

1. What functions does an antenna fulfill? What does the principle of reciprocity say about the properties of the antenna?
2. What is an elementary doublet? How does it differ from the infinitesimal dipole?
3. Explain fully what is meant by the term resonant antenna.
4. What is meant by the gain of an antenna? Define the terms, directive gain and directivity or power gain.