## King Jahd University of Petroleum and Minerals

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

## Home Work #9

- 1. What is Nyquist rate? How does noise affect channel capacity?
- 2. Describe crosstalk and give some possibilities for reducing its effect.
- 3. Explain how an echo suppresser may interfere with data transmission. What steps are normally taken to prevent this interference?
- 4. Describe three kinds of error-detection codes and explain how they detect data errors.
- 5. What is a forward error-correcting code? How do such codes function?
- 6. What is the purpose of the switching system? What are network protocols?