

Department of Electrical and Computer Engineering

Course ECSE-322 Computer Engineering

Problem Set 4

22 January 2008

1. Name 5 components (capabilities) that should be present in any information processing system
2. In a simple communications system, describe how the reliable transmission of information can take place.
3. What is the difference between an “open-loop” and a “closed-loop” communications system?
4. Describe what is meant by a synchronous system and give an example of such a system that you use every day.
5. Explain why an asynchronous system is inherently slower than a synchronous system. What is meant by “overhead”?