

Computer Communication Networks

Spring 2014

Exam#1 Study Guide

Exam #1 material: Chapter 1 – Chapter 3

Chapter1:

- Network Hardware
 - LAN ,MAN,WAN
- Network Software
 - Protocol layers
- Reference Models
 - TCP/IP
 - OSI

Chapter 2:

- Physical Layer
 - Physical Layer Purpose/Operation
 - Theoretical basis for Data communication
 - Maximum data rate of a channel
 - Nyquist's theorem
 - Shannon's theorem
 - Type of physical Media

Chapter 3:

- Data Link Layer Design Issues
 - Frames
 - Framing methods
- Error Correction
 - Hamming code
- Error Detection
 - CRC

