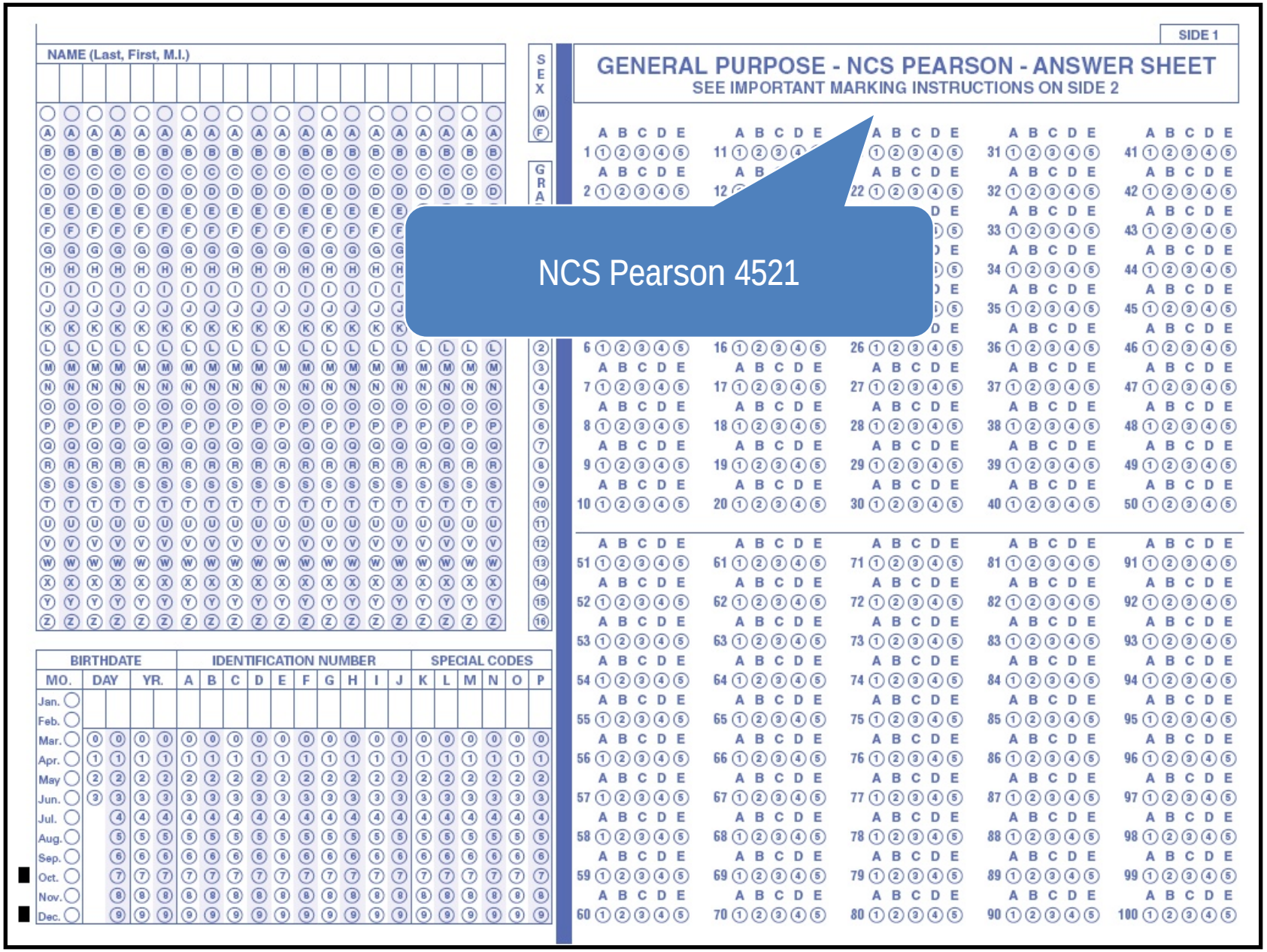
Quiz Guide

Quiz Specification

- 45 minutes long
- Closed book
  - You can bring a reference sheet
  - One 8 ½" x 11", two sides
- Multiple choice questions
- NCS Form 4521
  - Available in the Hornet Bookstore and Union Store
  - Number 2 Pencil only

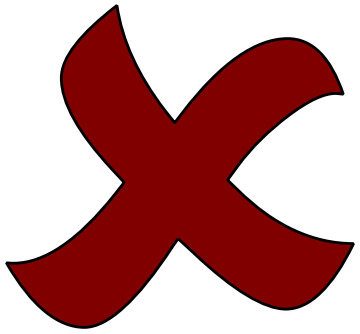

SIDE 1
GENERAL PURPOSE - NCS PEARSON - ANSWER SHEET
SEE IMPORTANT MARKING INSTRUCTIONS ON SIDE 2
NAME (Last, First, M.I.)
SEX
BIRTHDATE
MO.
DAY
YR.
IDENTIFICATION NUMBER
SPECIAL CODES
NCS Pearson 4521

Chapter 1–Intro to Networks
Important to Know

- What is Internet, protocol?
- Network Edge
- Network Core
  - Packet switching vs. circuit switching
  - Network structure
- Network delay, loss and throughput
- OSI model, TCP/IP protocol stack
  - Layers, Protocols
  - Encapsulation
- Network security: DoS, packet sniffering,IP spoofing

Chapter 1–Intro to Networks
Do not worry about

- Specific Frequencies of Media
- Specific upstream and downstream data rates of edge networks
- Loss calculations

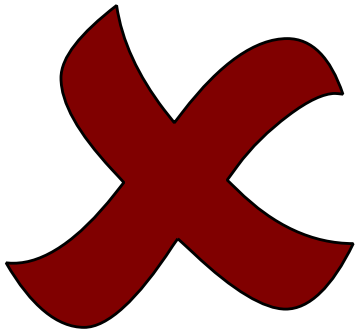


Chapter 2– Application Layer
Important to Know

- Principles of network applications:
  - Architecture: client/server vs. P2P
  - Process communication, sockets, transport services (TCP/UDP)
- Web and HTTP:
  - persistent/non-persistent, cookie, web cache
- FTP
- SMTP, POP3, IMAP
- DNS
- P2P
- Socket programming

Chapter 2-Application Layer
Do not worry about

- Detailed Packet formats of various application protocols, etc... BUT YOU SHOULD KNOW THE FIELDS



Good Luck!