

## Quiz 5 – EECS 270, Spring '04

Name: \_\_\_\_\_ unique name: \_\_\_\_\_

**Honor code:**

I have not given or received aid on this quiz, nor have I observed anyone else doing so:

Sign here: \_\_\_\_\_

This quiz is graded out of 30 points and is worth about 4% of your class grade. You will have **25** minutes for this quiz. *Closed everything including calculators!* To receive partial credit, work must be shown.

---

1. Matching, Write the correct letter in the blank. [9, -2 per wrong or blank answer, min=0]

A= Static

B= Dynamic

C= Volatile

D= Non-Volatile

E= Encoder

F= Decoder

G= MUX

H= One transistor and a capacitor

I= two to four transistors

J= four to eight transistors

K= More than eight transistors

- Memory that doesn't lose its state, even when power is lost, is called \_\_\_\_\_ memory.
- Memory that needs to be refreshed in order to keep its state (even when power is continually applied) is called \_\_\_\_\_ memory.
- A single SRAM cell (which stores a single bit of information) typically consists of \_\_\_\_\_.
- A single DRAM cell (which stores a single bit of information) typically consists of \_\_\_\_\_.
- A single D flip-flop (which stores a single bit of information) typically consists of \_\_\_\_\_.
- When selecting a row in a memory, part of the address is put into a \_\_\_\_\_.

