

NAME: _____ (First name first)

SCORE: _____

COSC 6360

QUIZ #5

AUGUST 10, 2010

Closed book. You can have with you one single-sided 8½ by 11 sheet of notes.

1. Which restrictions of the FAWN hardware had the most impact on the software architecture of the FAWN KD system? (2×5 points) How does that system address these limitations? (2×5 points)

2. How do leases differ from callbacks? (2×5 points) Would it make sense to replace callbacks by leases (a) in AFS and (b) in Coda? (2×5 points) (**Hint:** Think of how AFS and CODA differ.).

3. **Answer the following questions in one or two sentences.** (6×10 pts).

a) What does FARSITE do to improve its less than stellar **response time**? (*Hint: I expect a two-part answer.*)

b) What does **close-to-open** consistency guarantee?

c) What characterizes a **Byzantine failure**?

d) When does a Zyzzyva system have **more than one checkpoint**?

e) How does the Blue file system operate its **device write queues**?

f) What is the main purpose of **intra-tome redundancy** in Pergamum?