**UNX511/DPS912: Unix Systems Programming**

Quiz 9

1. What is a semaphore? [2 marks]

Explain the following function calls (no need to explain each parameter) [1 mark each]:

1. int sem\_init(sem\_t \*sem, int pshared, unsigned int value);
2. sem\_t \*sem\_open(char \*name, int oflag, mode\_t mode, unsigned value);
3. int sem\_wait(sem\_t \*sem);
4. int sem\_post(sem\_t \*sem);
5. int sem\_getvalue(sem\_t \*sem, int \*sval);
6. int sem\_destroy(sem\_t \*sem);
7. int sem\_close(sem\_t \*sem);
8. What’s the difference between a named semaphore and an unnamed semaphore.