**UNX511/DPS912: Unix Systems Programming**

Quiz 7

1. List two ways a message queue is different from a pipe. [2 marks]
2. Each message includes an integer type field (**mtype**). How might this be useful? [1 mark]
3. What is the distinguishing point of communication for a message queue? Choose one:

[1 mark]

* 1. A socket file
  2. An IP address and IP port
  3. A unique key used in deriving an id

1. Describe the two things that the following snippet of code does. [2 marks]

**key\_t key1 = ftok("client1", 65);**

**int msgid1 = msgget(key1, 0666 | IPC\_CREAT);**

1. What does the following snippet of code do? [1 mark]

**msgsnd(msgid1, &msg, sizeof(msg), 0);**

1. What does the following snippet of code do? [1 mark]

**msgrcv(msgid1, &msg, sizeof(msg), 1, 0);**

1. The following code filters messages of what message type? [1 mark]

**msgrcv(msgid1, &msg, sizeof(msg), 1, 0);**

1. What does the following snippet of code do? [1 mark]

**msgctl(msgid1, IPC\_RMID, NULL);**