

Question A1

```
void threadT31Func(void){
```

```
    char Ba[20];
```

```
    const char* threadName = "T31";
```

```
    PE-0 (pthread_setname_np (pthread_self(), threadName));
```

```
    REPORT2 (myReadCond (dataSKPtr[0], Ba, 6, 6, 0, 0));
```

```
    int RetVal = myReadCond (dataSKPtr[0], Ba, 6, 6, 0, 0);
```

```
    cout << "RetVal in T31: " << RetVal << " " << Ba << " " << strerror << endl;
```

```
}
```

```
void threadT41Func(void){
```

```
    ...
```

```
    threadT31.join();
```

```
    ...
```

```
}
```

1) E. c.d are correct

c) threadT31 (45, threadT31)
threadT31.detach();

d) void threadT41Func(void){
threadT31.join();
}

2) E. None of above

3) C. 6

myReadCond (dataSKPtr[0], Ba, 6, 6, 0, 0);

4) D. "ijkl"

5) B. myReadCond() didn't need to change errno

6) D. during myClose (dataSKPtr[0]) call in T32

When does threadT42Func() unblocks after being blocked in the first myTcdrain() call, if T42 does unblock from that call

7) B. resumes b/w the 2nd setSchedPri(40) and "T32" starting & ending.

When does T42 resume after being blocked in the first myTcdrain() call, if T42 does unblock from that call?

8) - 1

myWrite (daskPr[1])

9) broken pipe.

10) B. - 1

myClose (daskPr[1])

11) EBADF

12) B. No, wait() is used

Can socketLk in member func draining be of class lock_guard <mutex> instead of unique_lock <mutex> w/o changing?

13) E. Yes, unique_lock can do everything lock_guard does.

unique_lock → lock_guard.

14) D. Yes, it is unlocked during the call to the wait() if called.

If socketLk in draining ever unblock?

15) A. No,

If socketLk in writing ever unblock?

16) B.

17) A