**CS2106 Operating Systems**

**Lab 5 – Semaphores**

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| --- | --- |
| Name 1: | Student Number 1: |
| Name 2: | Student Number 2: |
| Name 3: | Student Number 3: |

**Question 1 (1 mark)**

This program does/does not run correctly.

**Question 2. (3 marks)**

This program may not operate correctly in a multithreaded because…

**Question 3. (4 marks)**

My code is shown below:

**Question 4. (1 mark)**

The answer is/is not correct.

**Question 5. (3 marks)**

The problem in Q4 is…

The sem\_wait and sem\_post calls fixed the problem because…

**Question 6. (4 marks)**

Changes to my web server are shown below with explanation:

**Question 7.** **(1 mark)**

This is what’s happening in testbarrier.cpp:

**Question 8. (3 marks)**

This is how reachBarrier works:

TOTAL: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ / 20