**CG2271 Real Time Operating Systems**

**Lab 6 – Synchronization Mechanisms**

**Answer Book**

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| --- | --- |
| Matric No 1: | Name 1: |
| Matric No 2: | Name 2: |
| Lab day: | Lab time: |

Question 1 (2 marks)

Output is pasted below:

This program...

Question 2 (3 marks)

This program does not deadlock because...

Question 3 (2 marks)

At least one child thread does not block because...

Question 4 (2 marks)

Each time the main thread calls sem\_post, \_\_\_\_\_\_\_\_ threads are woken.

Question 5 (2 marks)

POSIX semaphores are different from mutexes because...

Question 6 (3 marks)

The changes we made were...

Question 7 (2 marks)

The final sum is...

Question 8 (3 marks)

The sum is correct/incorrect. This is because...

Question 9 (6 marks)

The changes we made were...

Question 10 (5 marks)

The changes we made were...

**ANSWER BOOK TOTAL: \_\_\_\_\_/30**

**DEMO: \_\_\_\_/5**

**TOTAL: \_\_\_\_/35**