**Spring 2020: Operating System Assignment 2 Evaluation**

**Student Information**

**Name: \_\_\_Talha Mustafa\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Course Instructor: Sir Hassan Mujtaba\_\_\_\_\_\_**

**Roll #: \_\_\_\_\_\_18I-0573\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab Instructor: Sir Mehran Khan\_\_\_\_\_\_\_\_\_\_**

**Section: \_\_\_\_\_\_A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Submission: On-Time: yes\_ Late: \_no\_**

**Submission Date: \_\_17-April-2020\_\_\_\_\_\_\_\_\_\_\_ Submission Time: \_\_\_11:50 pm\_\_\_\_\_\_\_\_\_\_**

**Evaluation Rules:**

Assign yourself marks according to your implementation of a given feature, e.g. assign yourself full marks if you claim a complete implementation of a given feature.

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| **Self-Evaluation** | | | |
| **Sr No.** | **Feature** | **Total Marks** | **Obtained Marks** |
| 1. | Creation of five different state processes using fork & exec | 10 | 10 |
| 2. | Implementation of Pipes to establish IPC | 20 | 20 |
| 3. | Implementation of dup/dup2 for redirection towards pipes/files | 20 | 20 |
| 4. | Admit State Implementation | 5 | 5 |
| 5. | Ready State Implementation | 10 | 10 |
| 6. | Scheduling algorithm Implementation using FCFS | 5 | 5 |
| 7. | Scheduling algorithm Implementation using SJF | 5 | 5 |
| 8. | Scheduling algorithm Implementation using RR | 5 | 5 |
| 9. | Scheduling algorithm Implementation using SRTF | 5 | 0 |
| 10. | Running State Implementation | 10 | 10 |
| 11. | Blocked State Implementation | 10 | 10 |
| 12. | Exit State Implementation | 5 | 5 |
| 13. | Ready State Implementation (Multithreaded) | 15 | 10 |
| 14. | Blocked State Implementation (Multithreaded) | 15 | 15 |
| 15. | Synchronization/Integration of Code | 20 | 18 |
| 16. | Maintained Proper Output File | 5 | 5 |
| 17. | Code quality (comments, indentation, new lines etc.) | 5 | 5 |
| 18. | Correctly following the submission instructions | 5 | 5 |
| 19. | Use of File Stream Objects | -10% |  |
| 20. | Plagiarism deduction | -100% |  |
|  | **Total Marks** | 175 |  |

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| **To be filled by the Evaluator** |
| **Evaluator's Name & Signatures: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **Evaluator's Comments:**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |