**SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY**

**COMPUTER SCIENCE & INFORMATION TECHNOLOGY DEPARTMENT**

**Spring-2025**

**Introduction to Operating System (CS-222T)**

**Assignment # 2**

Semester: IV.  Batch: 2024F Section: **D**

Student’s Name: Roll#: **2023F-BCS**-

Total Marks: **03** Marks Obtained:

Due Date: 23/05/2025

| **CLO #** | **Course Learning Outcomes (CLOs)** | **PLO Mapping** | **Bloom’s Taxonomy** |
| --- | --- | --- | --- |
| CLO 2 | Apply different CPU scheduling algorithms and deadlock avoidance algorithm | PLO\_3  (Problem Analysis) | C3 (Apply) |

**Instructions:**

* **Attach this assignment page as front page and then attach your solved assignment.**
* **Your code must be properly commented to explain the logic.**

**Q1. Write a program to implement Peterson’s Algorithm.  
Q2. Write a program to implement Bakery Algorithm.  
Q3. Implement the Critical Section Problem.**