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Class Test (2) Examination: Fall-2024

Course Code: CIS 232 (Batch: 18)

Course Title: Operating System

Time: 30 Minutes **Total Marks: 15**

1. What is the need of CPU scheduling? What are the criteria of scheduling? 3

2. Consider the following set of processes, with the length of CPU bust given in milliseconds: 6

Process	P1	P2	P3	P4	P5
B.T.	11	4	14	9	21
A.T.	5	0	0	1	2

If the CPU scheduling policy is Round Robin with time quantum = 5 unit, calculate the average waiting time and average turn around time.

3. Suppose you want to build an operating system, you want to implement methods for handling deadlock. Which method will you add in your operating system and why? Explain the benefits of your chosen method over others in details. 6