

Reg. No.:

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Mid-Term Examinations – August 2021

Programme	: B.Tech.	Semester	: Interim 2020-21
Course	: Operating system	Code	: CSE3003
Faculty	: Dr. Pon Harshavardhanan	Slot/ Class No.	: A11+DA1 / 0086
Time	: 1 ½ hours	Max. Marks	: 50

Answer all the Questions

Q.No.	Sub. Sec.	Question Description	Marks
1		Explain computer system architectures with examples.	10
2		Illustrate the six types of system calls with the corresponding Windows and Unix calls.	10
3		Write implementations for Inter Process Communication using shared memory in C and explain the same.	10
4		Write a program in C to solve the mutual exclusion problem.	10
5		Demonstrate how threads share global and static data and how threads maintain their own copy of local data. Write a C program for the demonstration.	10

