

Maximum Marks: 30		Semester: July 2024 – November 2024		Examination: In-Semester Examination		Duration :1:15 hrs	
Programme code: 01		Programme: Computer Engineering		Class: TY	Semester: V (SVU 2020)		
Name of the Constituent College: K. J. Somaiya College of Engineering				Name of the department: COMP			
Course Code: 116U01C503		Name of the Course: Operating Systems					

Q. No.		
Q1	Solve Any <u>TWO</u> A. Compare and contrast Layered and microkernel architecture of OS. B. What are system calls? Explain any two process related system calls with syntax, input parameters and success and failure values. C. With respect to System Software, Discuss Linkers and Loaders with their role in program execution.	10
Max. Marks		

Q3	<p>Solve Any <u>TWO</u></p> <p>A. Explain the process life cycle with the help of a 5-state state transition diagram. Give reason for every transition.</p> <p>B. Differentiate between:</p> <p>a) Process synchronization and process concurrency.</p> <p>b) User Level Threads Vs Kernel Level Threads</p> <p>C. With respect to Message Passing, Describe the Direct and Indirect Communication Methods.</p>	10
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