K. J. Somaiya College of Engineering, Mumbai-77 (Autonomous College Affiliated to University of Mumbai)

Semester: July 2017 - November 2017

Max. Marks: 30 Duration: 1hr.15 min.

Class: TY Semester: V

Branch: IT

Test1 Name of the Course: Operating System

Question No.					Max. Marks	CO Mapped	Bloom's Taxonomy Level
Q1 (a)	Differentiate between Monolithic and Layered OS architecture.				05	CO1	Comprehens
Q1 (b)	Explain objectives and functions of operating system.				05	CO1	Knowledge
Q. 2	Process P1 P2 P3 P4 P5 i) FCFS ii) SJF(Pre	Burst time 4 5 6 2	Arrival Time 0 2 4 5 6	e for Gantt chart and e turn around time:-	10	CO2	Application
Q. 3 (a)	Draw and explain 5-state process diagram. Can a process make a transition from a ready state to the blocked state? Why or why not?				05	CO2	Knowledge
Q. 3 (b)	Define deadlock. Explain four necessary and sufficient conditions for a deadlock to occur.				05	CO2	Knowledge