

Sarvajanik College of Engineering and Technology, Surat

Computer Engineering Department

B.E. II, Sem. IV, Shift-I

Subject Name: Operating System

Subject Code: 2140702

Date: 23rd Jan, 2018

Question Bank for PAT-2

1	Define Operating System with services it provide.
2	Explain Evolution of operating system.
3	Define Process and Process Control Block with two state state transition diagram.
4	Explain Five State Process Model . Also explain need of suspended state diagram.
5	<p>Explain the following memory allocation Algorithms:</p> <p>(a) First-Fit</p> <p>(b) Best-Fit</p> <p>(c) Worst-Fit</p> <p>Given five memory partitions of 100k, 500k, 200k, 300k, 600k (in order), How would the First, Best and Worst-Fit algorithms places the processes of 212k, 417k, 112k and 426k (in order)? Which algorithm makes the most efficient use of memory? Count Utilization Rate for each algorithm.</p>
6	Explain Fragmentation in Detail. Differentiate Internal and External Fragmentation.