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**ST. JOSEPH’S COLLEGE (AUTONOMOUS), BANGALORE-27**

**BCA - II SEMESTER**

**SEMESTER EXAMINATION: APRIL 2019**

**CA 2318- Operating System**

**Time- 2 1/2 hrs Max Marks-70**

**This paper contains ONE printed page**

**I.ANSWER ALL THE QUESTIONS(10\*2=20)**

1. Define Operating System
2. What are System Calls
3. What is the difference between Multi programming and Multitasking
4. Define Spooling
5. What is a Deadlock
6. Differentiate Preemptive and non preemptive process
7. What is a Process
8. What is Thrashing
9. Write the need for Disk Scheduling
10. What is a File System

**II.ANSWER ANY FIVE QUESTIONS(5\*6=30)**

1. Explain the Life Cycle of a Process in detail
2. What is Scheduling ? Explain Long term scheduling and Short term Scheduling
3. How do you Detect that a Deadlock has occurred?
4. What is Demand Paging.
5. Explain the different types of Operating System .
6. Discuss Free space Management
7. What is Memory ? Explain Memory Allocation .

**III.ANSWER ANY TWO QUESTIONS(10\*2=20)**

1. Discuss any two page replacement Algorithm in detail
2. What is SJF Scheduling? Explain PRIORITY Scheduling in detail with an example.
3. a) Explain the Life Cycle of Process in detail.

b)Memory Management Commands