

**St. Francis Institute of Technology  
Borivli (West), Mumbai-400103**

**Information Technology Department**

**Academic Year: 2015-16**

**Semester: V**

**Class / Branch / Division: TE IT B**

**Subject: Operating Systems**

**Date of Issue: 29/9/15**

**Date of Submission: 7/10/15**

**ASSIGNMENT-II**

1. What is RAID? Explain types of RAID.
2. Write a short note on buffering techniques.
3. Explain Disk Cache.
4. Explain DMA in terms of system concurrency. What is its implication on hardware design?
5. Write a short note on file access methods and Inode.
6. Explain file allocation methods in detail with proper diagram.

Signature:

Name of the Faculty: Shree Jaswal  
(Subject Teacher)