**Register No:**

**Date:**

**St. Joseph’s College (Autonomous), Bangalore**

**IV Semester Examination, April 2017**

**M.Sc Computer Science**

**CS 0415 : Data Storage Technologies**

**Time 2.5 Hrs Max Marks 70**

**This paper contains 1 printed pages and 1 part**

**PART-A**

**Answer any SEVEN questions 10 x7 = 70**

1. Explain the following
2. Data
3. Types of data
4. Big data
5. Information
6. Storage
7. Explain in detail about the different disk drive components.
8. With a neat diagram, explain any three different RAID levels.
9. a) Write a note on READ and WRITE operations on a cache.

b) Explain cache mirroring and cache vaulting.

5. a) Explain the types of MetaLUN in detail.

 b) Explain types of Intelligent Storage System.

1. Explain in detail about FC connectivity.
2. a) Explain SCSI topologies
3. Explain any one FCoE enabling technology.
4. Explain the factors affecting NAS performance.
5. Explain about Zoning and types of zoning.