**Register No:**

**Date:**

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

**IV Semester Examination, April 2017**

**M.Sc Computer Science**

**CS 0115: Distributed Computing Systems**

**Time 2.5Hrs Max Marks 70**

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

**PART-A**

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

1. A) Mention the disadvantages of distributed system . (3)

B) Explain in detail about Multiprocessor time sharing systems (7)

2. Explain the basic operations of RPC in detail. (10)

3. A) what is Client-Server model? (3)

 B) Write in detail about Blocking and non-blocking primitives. (7)

4. A) What is Mutual Exclusion? (3)

 B) Explain token ring algorithm for mutual exclusion. (7)

5. A) What is Atomic transaction? (2)

 B) Explain transaction primitives. (6)

 C) What are the properties of transaction? (2)

6. A) What is a thread? (2)

 B) Explain the design issues for thread package. (8)

7. Explain in detail about Scheduling in Distributed system. (10)

8. Explain the concept of system structure in Distributed file system. (10)

9. A) Define Consistency. (2)

 B) Explain any 2 consistency model in detail with suitable examples. (8)