

**SEVENTH SEMESTER B.TECH. (ENGINEERING) DEGREE EXAMINATION  
JUNE 2010**

**CS/IT 04 703-DISTRIBUTED SYSTEMS**

(2004 admissions)

Time : Three Hours

Maximum : 100 Marks

- I. 1 What is distributed Systems ?  
 2 Differentiate the middleware system and the openness System.  
 3 What is meant by pessimistic and optimistic time stamp ordering ?  
 4 Explain about light weight process and the heavy weight process.  
 5 Compare the compile time and the run time objects in Remote Object Invocation.  
 6 What is meant by transaction communication ?  
 7 Write short notes about real time scheduling.  
 8 Explain the concept of Distributed file system.
- (8 × 5 = 40 marks)
- II. (a) State the goals of the distributed system. (15 marks)  
 Or  
 (b) (i) Discuss about Network operating system. (10 marks)  
 (ii) Compare the different operating systems. (5 marks)
- III. (a) Explain in detail about the client and Server in threads. (15 marks)  
 Or  
 (b) Draw a neat sketch and explain about the RSVP in a distributed system. (15 marks)
- IV. (a) Discuss in detail about Remote procedural call. (15 marks)  
 Or  
 (b) Explain in detail about Inter-process Communication. (15 marks)
- V. (a) Write the design and implementation issues of distributed shared memory. (15 marks)  
 Or  
 (b) Discuss the implementation of distributed process. (15 marks)
- [4 × 15 = 60 marks]