

R15**Code No: 824AF****JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****MCA IV Semester Examinations, July/August - 2021****DISTRIBUTED SYSTEMS****Time: 3 Hours****Max.Marks:75**

Answer any five questions
All questions carry equal marks

1. Discuss about Java RMI with relevant example and diagram. [15]
- 2.a) What are the advantages and disadvantages of distributed systems over centralized systems?
b) Write short notes on the design issues of DS. [7+8]
3. Explain about name services domain name systems in distributed systems. [15]
- 4.a) Explain in detail about distributed file systems.
b) What are the requirements of the distributed file system? [7+8]
- 5.a) Write short notes on distributed mutual exclusion.
b) Discuss about peer to peer systems. [7+8]
6. Explain about working of pastry and tapestry overlays in distributed systems. [15]
7. Explain about optimistic concurrency control mechanism in distributed system. [15]
- 8.a) Explain in detail about Kerberos.
b) Write a note on digital signatures. [7+8]

---oo0oo---