Code No: 824AF

R15

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
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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]

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