

www.FirstRanker.com

www.FirstRanker.com

R17

Code No: 845AD

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD MCA V Semester Examinations, October/ November - 2020 DISTRIBUTED DATABASES

Time: 2 Hours Max. Marks: 75 **Answer any five questions** All questions carry equal marks 1.a) Explain about Reference Architecture for Distributed Databases. Write short note on Distribution Transparency. b) [7+8]2.a) Explain about Parametric Queries in distributed database. Explain about grouping and aggregate function evaluation in distributed database. [7+8] b) 3.a) Explain Timestamp based protocol in distributed databases. Explain Optimistic Methods for Distributed Concurrency Control. b) [7+8]4.a) Explain about the following in Distributed Data base: i) Check points ii) Cold Restart. Explain bout authorization and protection in distributed database. b) [7+8]Explain about various query processing layers in Distributed Multi-DBMS. 5.a) Explain about Object Management Architecture CORBA. b) [7+8]Define Distributed Data base and explain the various features of distributed database. 6.a) What is meant by data fragmentation? Explain the Vertical Fragmentation with an b) example. [7+8]List out the different components that are used by query optimizer. Explain. 7.aDiscuss how an optimization graph can be drawn for a given query. b) [7+8]8.a) Explain two-phase locking protocol in distributed database. Explain Deadlock prevention in distributed databases. b) [7+8]

---00000---