Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY MCA - SEMESTER-V • EXAMINATION - SUMMER - 2016

Subject Code: 2650004 Date:11/05/2016 **Subject Name: Advanced Data Base Management Systems (ADBMS)** Time: 10.30 AM TO 01.00 PM **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. (a) Gives the Drawbacks of File System over the Database System. 07 **Q.1 (b)** Discuss Schema, Instance and State for the Database. 07 (a) Explain the Followings features for Temporal Database with Example. 07 0.2 1. Valid time. 2. Transaction time. 3.Bitemporal time. 07 **(b)** Explain the Followings features for Distributed Database. 1. Data Replication. 2. Fragmentation transparency. 3. Multidatabase. OR **(b)** Explain the Types of Distributed Database. 07 0.3 **07** (a) Discuss gather Statistics during Tuning. (b) Discuss Discretionary Access Control Based on Granting and Revoking 07 Privileges. OR (a) Explain Multi-level Indexes OR two-level indexes. 07 Q.3 **(b)** Explain Types of Protection of databases against threats. **07** (a) What is Transection Log? How store the Record of Transection Explain with **07** 0.4 Proper format of Log file. (b) Discuss Implementation and Related Issues for Extended Type Systems. **07** OR (a) Brief Discuss Checkpoints and Fuzzy Checkpointing in system in System Log. 07 0.4 (b) Explain the Concept of Configuration using Oracle Net Configuration Assistant 07 and Oracle Net manager Tools. Q.5 Show Concept of Services and Configuration Services on Client side. **07** (a) (b) What is GIS? Explain Data Management Requirements of GIS. **07 Q.5** (a) Explain Evaluation and current Trends for Database Technology. 07

(b) Discuss Short note on Tuning Query.

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