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Exam Roll No.

END TERM EXAMINATION

SECOND SEMESTER [BBA/(B&I)(TTM)/MOM] MAY-2010	
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Paper	r Code: ID: 18	BBA/ (B&I)/(TTM) 108 Non 108 (19/50108	Subject: DBMS
Time	: 3 Hou	rs I	Maximum Marks : 75
		Note: Question 1 is compulsory. Attempt one question from eac	ch unit.
Q1.	Shor (a) (b) (c) (d) (e)	t answer type: What is data redundancy? Explain. Discuss various types of keys in relational data model. Distinguish between logical and physical data independence. What are the rules for decomposition of relations? Explain. How does the concept of an object in the object oriented mo concept of an entity in the entity relationship model?	(5x3=15)
Q2.	(a) (b)	What are the major functions performed by the DBMS? Explain the role of database administrator.	in. (10) (5) (10)
QU.	(b)	Explain the advantages of DBMS over a file system.	(10)
Q4.	(a) (b)	Explain the 12 Codd Rules for relational model. What are database views? How the views are created? Expla	(10) ain. (5)
Q5.	(a) (b)	Design an ER diagram for keeping track of the exploits of yo team. You should store the matches played, the scores i players in each match, and individual player statistics for each to tables. Explain various attribute types.	our favourite cricket n each match, the n match. Convert it (10) (5)
Q6.	(a) (b)	What is normalization? Explain third normal form with a suitab What is schema refinement? Explain.	example. (10) (5)
Q7.	(a)	What is functional dependency? Given Relation R (A, B, C, following functional dependencies: $AB \rightarrow C$ $C \rightarrow A$ $BC \rightarrow D$ $ACD \rightarrow B$ $BE \rightarrow C$ Find out the closure of FD's.	D, E) satisfies that (10)
	(b)	What are various types of anomalies that can occur in a re How they can be removed? Explain with an example.	elational database? (5)
Q8.	(a)	<u>Unit-IV</u> Explain various SQL DDL commands with proper example.	(8)
Q9.	(b) Write Supp Parts Proje Shipr (a) G	How integrity constraints are enforced in SQL? Explain. down the following queries in SQL. liers (sno, sname, pincode, city) (pno, pname, color, weight) icts (projno, projname, city) ments (sno, pno, projno) iet supplier name and city for suppliers who supply to any p olored part.	(7) (15) project with a 'red'

- (b) Get part name, color and project name supplied by supplier with sno 's2'.
- (c) Get the total number of suppliers who supplied part with pno 'p1'.