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ADBMS T. E/com/sem V

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Con. 6095-10.

(REVISED COURSE)

GT-6712

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	(3 Hours)	[Total Mar	ks :
	Question no.1 is compulsory.Attempt any four out of remaining.	\sim	
1. a)	Define data warehousing and data mining. List the application	S.	5
b)	Explain concept of Geographical Information System.		5
_ c)	Compare RDBMS,OODBMS and ORDBMS.		5
. d)	Write short note on Query processing in distributed databases.		5
) Describe different architecture for Parallel Database.) Explain mobile databases and multimedia databases.		10 10
relat	What is DTD? Give the DTD for an XMz representation of the final schema. Emp=(ename,Childrenset setof(children),Skillsetsetof(skill)) Children=(name, Birthday) Birthday=(day, month, year) Skills=(type, Examset, setof(exams)) Exams=(year, city)		10
	What is difference between Persistent and Transient objects? lled in typical Object - oriented system.	How persist	ence 10
	Explain with proper example nested relation in ORDBMS. Write short note on Mobile databases.		10 10
5. a) E	Explain data fragmentation, replication and allocation technique for atabase design •	distributed	10
Bo Bo Sto	Consider the following database for a chain of bookstores oks (Booknum, Primary-author, Topic, Total-stock, Price) okstore (Storenum, City, State, Zip, Inventory-value) ock (Storenum, Booknum, Qty) andicate a star schema that could be used for building a data was	arehouse. 1	10
E	xplain with suitable example Aggregation, Specialization and G ER Diagrams. Explain with suitable example object identity, Object structure an	1	n in 0

constructors in case OODBs.

a) Transient Object, Subclass and superclass.

7. Write short note on any two.

b) Temporal database c) Web databases.