AT-437

## B.C.A. (Part-II) Semester—III Examination DATABASE MANAGEMENT SYSTEM

## Donas 2CT2

			Paper—3ST3	
Time : Three Hours] [Maximu				
Note:—(1) All questions are compulsory.				
		(2)	Assume suitable data wherever necessary.	
1.	(a)	Exp	plain :	
		(i)	Hierarchical database model.	
		(ii)	Network database model.	6
	(b)	Exp	plain :	
		(i)	Entity Integrity	
		(ii)	Referential integrity.	6
			OR	
2.	(a)	Wh	at is DBMS? Explain three levels of data abstraction with ne	at sketch. 6
	(h)	Wh	at is DBA? Explain its role.	6
3.	(a)	Wh	at is normalization? Explain BCNF.	6
	(b)	Exp	plain various keys used in DBMS.	6
			OR	
4.	(a)	Wh	at is functional dependency? Explain.	6
	(b)	Wh	at is attribute and domain? Explain with suitable examples.	6
5.	(a)	Wh	at is DML? Explain INSERT and DELETE commands.	6
	(b)	Exp	plain LIKE and between operators in SQL.	6
			OR	
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6.	(a)	What is view? Explain.	6
	(b)	Explain:	
		(i) ALTER	
		(ii) DROP	
		(iii) UPDATE.	6
7.	(a)	Explain DECODE () and SOUNDEX () function with example and syntax.	6
	(b)	Explain:	
		(i) ABS ( )	
		(ii) MOD ( )	
		(iii) SIGN ( )	
		(iv) SIN ( )	
		(v) EXP ( )	
		(vi) LEAST ( ).	6
		OR	
8.	(a)	Explain:	
		(i) LOWER ( )	
		(ii) INSTR ( )	
		(iii) SUBSTR ( ).	6
	(b)	Explain conversion function with example.	
9.	(a)	What is transaction? Explain save point and Rollback.	
	(b)	Explain different data types used in PL/SQL with one example of each.	6
		OR	
10.	(a)	What is cursor? Explain various attributes of cursor.	
	(b)	Explain:	
		(i) AUTO COMMIT	
		(ii) COMMIT	
		(iii) SET TRANSACTION	6
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