

MD-104

May-2023

BCA, Sem.-II

CC-110: Database Management System-L

								[Max. Ma	rks: 70	
Ti	me : 2:	30 Hour	s					•		
1.	Answer the following:							7		
	(1)	O F - I - I - Functions of DRMS						tion	7	
	(2)	Explain	n types of da	tabase base	ed on number of	of users a	na ioca	tion.		
				OR					7	
	(1)	 Explain distributed processing and distributed database. Explain relational and ER model in detail. 							7	
	(2)	Explain	n relational a	nd ER mod	del in detail.					
2.	Answer the following:									
	(1)	THE PROPERTY OF THE PROPERTY O								
		with ex	ample.						7 7	
	(2)	OR								
	(1)) Explain PRIMARY, FOREIGN, SECONDARY KEY with example.							7	
	(2)								7	
3.	Ans	Answer the following: (1) Explain identifying and non-identifying relationship with example. 7								
	(1)									
	(2)	[20] [10] [10] [10] [10] [10] [10] [10] [1								
				OR					7	
	(1)	What is relationship degree? Explain its types.								
	(2)									
	3-5	One college offers many courses. One course consists of many subjects. The student can enroll in many courses. Each course has many instructors. On								
		instruct	or can teach	many sub	jects.					
4.	Ans	wer the fo	ollowing:							
	(1)									
	(2)	Explain conversion of 2NF with example.								
		OR								
	(1)	Explain conversion of 1NF with example.								
	(2)	Draw dependency diagram for the given data and convert it up to 3NF.								
	0.000	V_id	V_name	Pro_id	Pro_name	Price	Qty	Amount		
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. A	Answer the following: (Any Seven)									
		(b)	Metadata							
	(a) End-user data (c) Information		None of these							
2.										
	(a) Operational	(b)	General purpose							
	(c) Discipline specific	(d)	Structured							
3,		(0)	Bituctured							
	(a) Computer workstation (b) Transaction processor									
4.	(c) Data processor	(d)	All of these							
	A minimal super key is called	(u)	All of these							
	(a) Primary key	(p)	Composite key							
	(c) Candidate key	No. of Concession, Name of Street, or other Persons, Name of Street, or ot								
5,	The operator displays vertical subset of a table. (a) Union									
	(a) Union (b) Project									
	(c) Select	(d)								
6,	Optional participation is denoted by placing at the side of optional entity.									
	(a) Small circle	(h)	Small diamond							
	(c) Small rectangle	(4)								
7.	Composite entity is also called entity.									
	(a) Associative	(b)	Bridge							
	(c) Both (a) & (b)	(d)	None of these							
8.	exists when different versions of	of the se	ame data appear at different places.							
	idulicy	(b)	Data inconsistence:							
	(c) Data Anomalies	(1)	NI Col							
9.	The data tables in 3NF remove	(4)	None of these							
	1	(1)	I roncitivo Daniel							
	(c) Fully-functional dependency	(4)	Transitive Dependency None of these							
10.	attributes require constant	mainte	mance to engine the set							
	value is current.	The attributes require constant maintenance to ensure that the calculated								
	(a) Composite	(b)	Derived							
	(c) Multi valued	(d)	Paguired							
11.	manages the DBMS and ensures that the database is functioning properly									
	(a) System administrator	(b)	Database dari							
	(c) Database administrator	(d)	Database designer							
12.	A collection of related records is called	d	System analyst							
	(a) Data	(b)	Field							
	(c) Record	(d)	File							
		(4)	THE							