(6 page	es)	Reg. No. :	2.		ollection of data designed to be used rent people is called ————.	l by
Code	No.: 8063	Sub. Code: ZCAM 24		(a)	Data base (b) DBMS	
	M.C.A. (CBCS) DE	GREE EXAMINATION,		(c)	RDBMS (d) None	
		MBER 2023.	3.	Eve	y relation in BCNF is also in ———,	
	Secon	l Semester		(a)	1 NF (b) 2 NF	
	Computer A	pplication – Core		(c)	3 NF (d) None	
ADVANCED DATABASE MANAGEMENT SYSTEM			4.	Row	s of a relation are known as ———,	
(For	(For those who joined in July 2021-2022 onwards)				Degree (b) Tuples	
	Three hours	Maximum : 75 marks			Entity (d) All the above	
	PART A — (1	$0 \times 1 = 10 \text{ marks}$	5,		ch of the following is a type of	Data
	Answer A	LL questions.		mar	ipulation command?	
C	hoose the correct a	nswer:		(a)	Create (b) Alter	
1. W	hich of the following	ng is database element?		(c)	Delete (d) None	
) Data		6.	In c	ase of any shut down during transaction be	efore
(b) Relationships				mit which of the following statement is	done
) Constraints and	schema			omatically?	
) All the above			• ,	View (b) Commit	
				(c)	Flashback (d) Roll back	
					Page 2 Code No. : 8	3063
			1			
7 4	7. A system is in a ——————————————————————————————————		PART B — $(5 \times 5 = 25 \text{ marks})$			
S			Answer ALL questions, choosing either (a) or (b).			
	et.	(b) Waiting		E	ach answer should not exceed 250 words.	
	a) Idle c) Deadlock	(d) None	.11.	(a)	What do you mean by Integrity Constrain	ıt?
	several operation si	property of computer to run multaneously and possible as		(b)	Or Give a brief note on Data models.	
	-	ponse of each other?	12.	(a)	What is Spatial Data?	
	a) Concurrency	(b) Deadlock		(4)	Or	
	c) Backup	(d) Recovery sm defines the execution of a		(b)	Define the terms: Entity, Relationship Attributes.	and
		llel on multiple processors and	13.	(a)	Write down the data types used in SQL.	
	(a) Intra-query				Or	
	(b) Inter-query				What is Join? Give a brief note on its type	
***	(c) Both (a) and (b)		14.	(a)	Give a brief note on Buffer Management.	
	(d) None		5, 4		Or	
10.	In ———— distributed databases dissimilar sites run under the control of different DBMS.				What is meant by Serializability? Differentiate: Homogeneous Data	base
	(a) Homogeneous		15.	(a)	Differentiate : Homogeneous Data versus Heterogeneous Databases.	2450
	(b) Heterogeneous				Or	
	(c) Both (a) and (b)		K	(b)	What do you mean by Distri Datastorage?	bute
	(d) None	일하는 공급하면 하는 11 분급하다.			Page 4 Code No.:	8069

Code No.: 8063

Code No.: 8063

[P.T.O.]

Page 4

PART C — $(5 \times 8 = 40 \text{ marka})$

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

 (a) With neat diagram, explain the structure of Relational Databases.

Or

- (b) Write short note on DBA, Database users and keys.
- (a) What is Boyce Codd Normal form? Explain it with an example.

Or

- (b) What is E-R model? What are the different E-R diagrams available in DBMS? Explain each one of them.
- 18. (a) What is the use of Trigger in SQL? How do you implement it?

Or

- (b) With Syntax and example explain DDL and DML commands available in SQL.
- (a) Explain in detail about lock based protocol in concurrency control.

Or

Page 5 Code No.: 8063

- (b) Write short note on failure classification and storage structure in Recovery systems.
- (a) Discuss in detail about parallel system and distributed system.

Oг

(b) List out and explain the different types of parallelism.

Page 6 Code No.: 8063