(6 pages)		Reg. No. :	2.	are			ion describe what data	
Code No. : 41396 E		Sub. Code: SMCS 43		(a)	Physical level	- 2		
				(b)	Logical level			
B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2019.				(c)	View level			
Fourth Semester			(d)	All the above				
Computer Science — Main			3.	is a set of attributes that taken collectively, allow us to identify uniquely a tuple in the relation.				
RELATION	IAL DATABASE	MANAGEMENT SYSTEM		(a)	Super key	(b)	Primary key	
(For tl	hose who joined i	n July 2017 onwards)		(c)	Candidate key	(d)	None of the above	
Time: Three hours Maximum: 75 marks $PART A - (10 \times 1 = 10 \text{ marks})$		4.	4. ——— command is used to add attributes an existing table.					
	PARI A — (10 ×	are stored in the database (a) Physical level (b) Logical level (c) View level (d) All the above 3	(b)	Drop table				
	Answer ALL	questions.		(c)	Modify table	(d)	None of the above	
	Choose the cor	rrect answer.	5.		is used	to rem	ove spaces at the end	
1. ———— ensures that the database remains			of the string.					
consist	ent.			(a)	Trim	(b)	Escape	
(a) F	ile manager			(c)	Truncate	(d)	None	
(b) T	ransaction mana	ger	6.	//	clause	is us	ed to eliminate the	
(c) B	uffe manager			dup	licate tuples.			
(d) A	ll the above			(a)	all	(b)	as	
	- 12,			(c)	distinct	(d)	none	
					P	nge 2	Code No. : 41396 E	

	a ———— relationship.					
(a)	one-to-one	(b)	one -to-ma	any		
(c)	many-to-one	(d)	all the ab	ove		
	en the multivalue oved, then tha					
(a)	1NF	(b)	2NF			
(c)	3NF	(d)	None			
	ibquery is added sql statement.	in the		– clause o		
(a)	Select clause	(b)	Where cla	use		
(c)	Having clause	(d)	None			
stru	commandure cture of database.		be used to d	lisplay th		
(a)	ALTAR TABLE					
(b)	DESCRIBE					
(c)	VIEW TABLE					
(d)	None of the abov	re				
	Pa	ge 3	Code No.	41396 E		

PART B — $(5 \times 5 = 25 \text{ marks})$

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

11. (a) What are the purpose of using database system? Explain.

Oi

- (b) What are DDL commands? Give example.
- (a) Draw the schema diagram for university register office.

Or

- (b) Write short note on Natural join operation.
- 13. (a) Explain order by clause with example.

Or

- (b) What is scalar subquery? Give example.
- 14. (a) What is decomposition?

Or

- (b) Explain second normal form.
- 15. (a) What is correlated subquery? Give example.

Or

(b) What are the advantages of using stored procedures?

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[P.T.O.]

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

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

16. (a) Explain how to design a database system.

Or

- (b) What are data models? Explain.
- 17. (a) Explain the structure of relational database.

Or

- (b) Explain
 - (i) Queries on single relation
 - (ii) Queries on multiple relation.
- 18. (a) What are aggregate function? Give example.

Or

- (b) Explain how to create view in SQL? Give example.
- (a) What is generalization? Explain with example.

Or

- (b) Explain
 - (i) 5NF
 - (ii) Multivalued dependency

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20. (a) Explain how to create table. Give example.

Or

(b) Explain PL/SQL control structure in detail.

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