cm P509_ DBMs_ Sem3_ Jan 2019

P131/P142/CMP509/EE/20190227

Time: 3 Hours						Marks: 80	
Instructions:							
1.	All Questions are Compulsory.						
2.	Each	Each Sub-question carry 5 marks.					
3.		Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.					
4.	Que	Question paper of 80 Marks, it will be converted in to your programme structure marks.					
1.	Solv	olve any four sub-questions.					
4	2	What is example:		peration? Explair	following string operation	ons with syntax and 5	
		i) Sul	ostring	ii)	REPLACE		
		iii) RE	PLICATE	iv)	STUFF		
		v) UP	PER				
What is normalization? Why we need normalization? Explain following operations on transaction:					Inormalization?	5	
					saction:	5	
	i) Read-item(X)						
		ii) Write-item (X)					
Give any four differences between					BMS and RDBMS?	5	
	e)	What is N	Metadata?				
2. Solve any four sub-questions.							
	a)	Convert	Convert following student table into 1NF and 2NF: 5				
		Student	Age	Subject	•		
		Adam	15	Biology, Math	S		
		Alex	14	Maths		6	
		Stuart	17	, Maths			
Explain types of relationships.					5		
	c) Define with example and syntax: group by clause.					5	
_	d)	The state of the s					
~	(e)			_	commands with example.	5	

KA19-1386

P131/P142/CMP509/EE/20190227:1

(P.T.O.)

1.000 1.000 1.000 1.000 Solve any four sub-questions. 5 What is a stored Procedure in SQL? Write the syntax for a stored Procedure. 5 Explain three level architecture (abstractions) in DBMS. 5 Explain the following terms: i) Entity Attribute ii) iii) Domain iv) Instance Tuple 5 Explain with example: weak entity and strong entity. 5 Consider relational database: Course (c. no., ename, faculty no., price, advance) Display course name, price, advance fee of course where advance is greater than 20000. Display all the details of courses whose name start with letter of any character ii) between a and c.

- iii) Calculate the total of unique value for the price for the course.
- iv) Display the entire courses name in descending order.
- v) Display all the courses details where price is null.

4. Solve any four sub-questions.

a) What is Data Constraints? Explain check constraint with example.

b) Write a short note on primary key with syntax and example.

c) Explain any five data types in SQL.

d) Explain Hierarchical Model with example.

e) What are different types of user that play different roles in a database environment?

P131/P142/CMP509/EF/20190227:2

KA19-1386