PARUL UNIVERSITY FACULTY OF IT & COMPUTER SCIENCE BCA / IMCA Summer 2017-18 Examination

Seme	stei	r: 2	Date: 22-05-2018		
Subject Code: 05101153 / 05301153Time:10:30AM tSubject Name: Database Management SystemTotal Marks: 60					
Instructions:					
1. All questions are compulsory.					
		s to the right indicate full marks.			
3. Make suitable assumptions wherever necessary.					
4. Sta	rt n	ew question on new page.			
Q.1 Answer the followings.					
А.		rite short notes.		(05)	
		What is Commit?			
		Give Example of Sequence.			
		What is Field?			
		List out DML Commands.			
р		Full form of DQL.	two or folge (Each of 01 montes)	(10)	
В.	B. Multiple choice type questions/ Give the sentence true or false. (Each of 01 marks) (10) 1 is select by the database designers for unique identification. (10)				
	1.	• •	Unique Key		
			None of These		
	2.	is the process of organizin			
		A) Normalization	B) Generalization		
		C) Specialization	D) None of the above		
	3.	DCL stands for			
		A) Data Control Language	B) Data Console Language		
		C) Data Console Level	D) Data Control Level		
	4.	1 0	n followed by a project on the attributes of first		
		relation.			
		A) Join	B) Semi-Join		
	_	C) Full Join	D) Inner Join		
	5.	You can have more than one primary key in a co	olumn on the table?		
	A) True B) False6. Reference key can be a composite key (combination of two or more column). ?				
	0.	A) True B) False	uon oi two or more column). ?		
	7.	is a full form of SQL.			
	1.	A) Standard query language	B) Sequential query language		
		C) Structured query language	D) Server side query language		
	8.		e attributes used as a primary key		
	0.	A) Composite Key	B) Alternate Key		
		C) Candidate Key	D) Foreign Key		
	9.	•			
		A) schema	B) instance of the database		
		C) data domain	D) independence		
	10.	. A relational database developer refers to a recor	d as		
		A) a criteria	B) a relation		
		C) a tuple	D) an attribute		
Q.2		nswer the followings. (Any Five)		(15)	
		Explain functions of DBMS.			
		What is an Entity & Relationship?			
	 Explain Data Dictionary. Give differences between Generalization and Specialization. Explain Physical and Logical Data Independence. 				
		Explain Physical and Logical Data Independence Explain Group by with example.			
	0.	Explain Group by white chample.			

Q.3 Answer the following. (Any three)	(15)
1. What is Constrain Explain Different constrain with example.	
2. What is DBMS? List advantages and disadvantages of DBMS.	
3. What is data model? Explain various types of data model.	
4. Explain E-R model with its advantages.	
Q.4 Answer the following.	
A. Explain inner Join and Outer join with example.	(05)
B. Explain components of DBMS in detail.	(10)
OR	
B. What is normalization? Explain 1NF, 2NF and 3NF with example.	(10)