Seat No:	Enrollment No:

PARUL UNIVERSITY

FACULTY OF MANAGEMENT

MBA, Summer 2017 - 18 Examination

Semester: 4 Date: 23/05/2018 Subject Code: 06205252 Time: 10:30 am to 01:00 pm

Subject Name: Data Base Management Total Marks: 60

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- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.
- 3. Make suitable assumptions wherever necessary.
- 4. Start new question on new page.

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	-	0211, 'Smith', 'Biology', 66000);	
	a) Queryb) Relational	c) DML d) DDL	
	,	<i>'</i>	
2 (Consider attributes ID, CITY and	NAME. Which one of this can be considered as a super key?	
	a) NAME	c) ID	
	b) CITY	d) CITY, ID	
	For each attribute of a relation, the attribute	re is a set of permitted values, called the of that	
	a) Domain	c) Relation	
	b) Set	d) Schema	
4	Select dept_name Here which of the following displ	lays the unique values of the column?	
	a) All	c) From	
	b) Distinct	d) Name	
5 I	-	e of one relation is referenced in another relation.	
	a) Foreign key	c) Primary key	
	b) References	d) Check constraint	
	efine the following. (Each of 1	mark)	(05)
	Database management System		
2.	•		
3.	NULL Value		
4.	E-R diagram		
	, ,		(O.=)
	rect questions. (Each of 1 mar		(05)
1.	r	•	
2.	, ,		
3.	Explain Data and Metadata wit	•	
	4. Explain INSERT command with syntax and example5. State and explain database utilities		
٦.	State and explain database util	ittes	
O.2 Ar	nswer the following questions.		
-	• •	r architecture of DBMS with relevant diagram	(07)
	•	xplain Unary, Binary and Ternary relationships in detail	(08)
B), !		-promise cross , - man , and i cimal , removed billings in detail	

Write the SQL Queries for the given schema

Student(Name, Studentnumber, Class, Major)

Course(CourseName, CourseNumber, Credit Hours, Department)

Section(Sectionidentifier, coursenumber, Semester, Year, Instructor)

Grade_report(studentNumber, SectionIdentifier, Grade)

Prerequisite(Coursenumber, Prerequisite Number)

(08)

- 1. Change the class of student 'Uday' to 2
- 2. Delete the record for the student whose name is 'GEETA' and whose student number is 17
- 3. Retrieve the names of all senior students majoring in 'CS'
- 4. For each section taught by Prof. Jain., retrieve the course number, semester, year

Q.4 Attempt any two questions. (Each of 7.5 mark)

B).

(15)

- 1. For each of the following pairs of related entities, indicate whether there is one-to-many or a many-to-many relationship. Draw ER diagram for each of the relations:
 - a. STUDENT and COURSE (students register for courses)
 - b. COURSE and SECTION (COURSES HAVE SECTION)
 - c. SECTION and ROOM (sections are scheduled in rooms)
 - d. INSTRUCTOR and COURSE
- 2. Define join. Explain in brief the various types of joins
- 3. Define attribute. Explain all the categories of attribute with relevant example.
- 4. Distinguish between primary key and Foreign key. Explain in detail Integrity constraints with relevant example