

GUJARAT TECHNOLOGICAL UNIVERSITY**Diploma Semester -III Remedial Examination April - 2010****Subject code: 335405****Subject Name: Computer-III****Date: 24 /04 /2010****Time: 03.00 pm – 05.30 pm****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version Authentic

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|-------------|--|-----------|
| Q.1 | Answer the following. | 14 |
| | (a) Explain ER diagram using suitable example. | |
| | (b) Why DBMS approach is better than file oriented approach? | |
| Q.2 | | |
| | (a) Explain architecture of DBMS. | 07 |
| | (b) Write a short note on data independence. | 07 |
| | OR | |
| | (b) Explain database languages. | 07 |
| Q.3 | | |
| | (a) Explain PL/SQL block using example | 07 |
| | (b) Discuss SQL constraints. | 07 |
| | OR | |
| Q.3 | (a) List out different types of data model. Discuss any one of them. | 07 |
| | (b) Discuss the application area of DBMS. | 07 |
| Q.4 | | |
| | (a) Write SQL queries for the following. Assume table name as T1 | |
| | (I) Select all the records | 01 |
| | (II) Delete all the records. | 02 |
| | (III) Display the structure of table. | 02 |
| | (IV) View constraints on the table. | 02 |
| | (b) Write a short on join. | 07 |
| | OR | |
| Q. 4 | (a) Write SQL queries for the following. Assume table name as T1 | |
| | (I) Select all the records | 01 |
| | (II) Add one column 'C1' with number data type. | 02 |
| | (III) Select current date of the system. | 02 |
| | (IV) Select first five records only. | 02 |
| | (b) Discuss ALTER with all its format. | 07 |
| Q.5 | | |
| | (a) Write a short note on DBA | 07 |
| | (b) Explain the following SQL functions | |
| | (I) MIN | 01 |
| | (II) POWER | 02 |
| | (III) SUBSTR | 02 |
| | (IV) LPAD | 02 |
| | OR | |
| Q.5 | (a) Write a short note on DBMS | 07 |
| | (b) Explain the following SQL functions | |
| | (I) MAX | 01 |
| | (II) SQRT | 02 |
| | (III) LTRIM | 02 |
| | (IV) TO_NUMBER | 02 |

પ્રશ્ન-૧	નીચેના પ્રશ્નોના જવાબ આપો	14
અ	ઉદાહરણ આપીને ER diagram સમજવો	
બ	શા માટે DBMS approach , file oriented approach કરતા સારો છે?	
પ્રશ્ન-૨	અ architecture of DBMS સમજાવો	07
બ	Data Independence પર ટૂંકનોંધ લખો	07
	અથવા	
બ	Database languages સમજાવો	07
પ્રશ્ન-૩	અ PL/SQL block ઉદાહરણ આપી સમજાવો	07
બ	SQL constraints સમજાવો	07
	અથવા	
પ્રશ્ન-૩	અ List out different types of data model. Discuss any one of them.	07
બ	Application area of DBMS ની ચર્ચા કરો	07
પ્રશ્ન-૪	અ નીચેના માટે SQL queries લખો. ટેબલ નું નામ T1 ધારો	
	(I) Select all the records	01
	(II) Delete all the records.	02
	(III) Display the structure of table.	02
	(IV) View constraints on the table.	02
બ	ટૂંકનોંધ લખો: join	07
	અથવા	
પ્રશ્ન-૪	અ નીચેના માટે SQL queries લખો. ટેબલ નું નામ T1 ધારો	07
	(I) Select all the records	01
	(II) Add one column 'C1' with number data type.	02
	(III) Select current date of the system.	02
	(IV) Select first five records only.	02
બ	ALTER તેના બધા ફોર્મેટ સાથે સમજાવો	07
પ્રશ્ન-૫	અ ટૂંકનોંધ લખો: DBA	07
બ	નીચેના SQL functions સમજાવો	
	(I) MIN	01
	(II) POWER	02
	(III) SUBSTR	02
	(IV) LPAD	02
	અથવા	
પ્રશ્ન-૫	અ ટૂંકનોંધ લખો: DBMS	07
બ	નીચેના SQL functions સમજાવો	07
	(I) MAX	01
	(II) SQRT	02
	(III) LTRIM	02
	(IV) TO_NUMBER	02
