

Seat No.: _____
No. _____

Enrolment

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Engineering - SEMESTER-III • EXAMINATION – SUMMER • 2015

Subject Code: 335405

Date: 18-05-2015

Subject Name: Computer - III

Time: 10:30 am - 01:00 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 is considered to be Authentic.

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

ગુજરાતી

- પ્રશ્ન. ૧ અ Data Independence પર ટુક નોંધ લખો ૦૭
બ architecture of DBMS સમજાવો ૦૭
- પ્રશ્ન. ૨ અ શા માટે DBMS approach , file oriented approach કરતા સારો છે? ૦૭
બ ઉદાહરણ આપીને ER diagram સમજાવો ૦૭
- અથવા
- બ SQL constraints સમજાવો ૦૭
- પ્રશ્ન. ૩ અ Database languages સમજાવો ૦૭
બ PL/SQL block ઉદાહરણ આપી સમજાવો ૦૭
- અથવા
- પ્રશ્ન. ૩ અ Application area of DBMS ની યચા& કરો ૦૭
બ List out different types of data model. Discuss any one of them. ૦૭
- પ્રશ્ન. ૪ અ નીચેના SQL functions સમજાવો ૦૭
(I) MAX
(II) SQRT
(III) LTRIM
(IV) TO_NUMBER
બ ટુકનોંધ લખો: DBMS ૦૭
- અથવા
- પ્રશ્ન. ૪ અ નીચેના SQL functions સમજાવો ૦૭
(I) MIN
(II) POWER
(III) SUBSTR
(IV) LPAD
બ ટુકનોંધ લખો: DBA ૦૭
- પ્રશ્ન. ૫ અ ALTER તેના બધા ફોરમેટ સાથે સમજાવો ૦૭
બ નીચેના માટે SQL queries લખો. ટેબલ નુ નામ T1 ધારો ૦૭
(I) Select all the records
(II) Add one column 'C1' with number data type.
(III) Select current date of the system.
(IV) Select first five records only.
- અથવા
- પ્રશ્ન. ૫ અ ટુકનોંધ લખો: join ૦૭
બ નીચેના માટે SQL queries લખો. ટેબલ નુ નામ T1 ધારો ૦૭
(I) Select all the records
(II) Delete all the records.
(III) Display the structure of table.
(IV) View constraints on the table.
