

Roll No. ....

**12049**

**MBA 2 Year 3rd Semester (CBCS)**

**Examination – October, 2020**

**PROGRAMMING IN ORACLE**

**Paper : 17IMG23GT2**

*Time : 1.45 hours ]*

*[ Maximum Marks : 50*

---

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

---

**Note :** Attempt any *three* questions. All questions carry equal marks.

1. (a) List any *four* DML commands.  
(b) State use of "%" character in string operations.  
(c) List any 4 DCL commands.  
(d) Explain group by, having & order by clause in SQL.  
(e) Give the syntax of CREATE & RENAME command with example

2. Write short note on DDL, DML & DCL.

12049-~~50~~-(P-3)(Q-9)(20)

P. T. O.

3. Give block-structure of PL/SQL and explain main components.
  4. (a) Explain different types of joins with example.  
(b) Explain different types of constraints
  5. For the following given database, write SQL queries :  
Employee (eid, employee\_name, street, city)  
Works (eid, cid, salary)  
Company (cid, company\_name, city)  
Manager (eid, manager\_name)
    - (i) Find the names, street and city of all employees who work for 'AZT' and earn more than Rs. 30,000.
    - (ii) Find the names of all employees having 'K' as the first letter in their names.
    - (iii) Display the annual salary of all employees.
  6. (a) Explain specification of views in SQL.  
(b) Write short notes on :
    - (i) Index
    - (ii) Varying arrays
    - (iii) nested tables
  7. What are the locks ? Give its importance. Explain its types.
  8. What is a trigger ? What are the differences between row level and statement level triggers ? What are the different uses of Database Triggers ?
  9. What is PL/SQL exception handling and why it is needed ? Why it is needed ? Also explain user defined exception and system.
-