**Ramakrishna Mission Residential College,Narendrapur**

**M.Sc. Semester-II Examination 2020**

**Subject: Computer Science**

**Paper-P10 (Advanced DBMS LAB)**

**Full Marks: 40 Time: 3 hours**

1. **Account ( accno , coustomername , balance )**
2. Create the above table such that accno ranges from 1 to 1000.
3. Write down PL/SQL procedure which finds count of all even and odd balance records.
4. Write a trigger on each deposit or withdrawal on account such that a new record will be inserted in the table.

**Transaction( serialno , accno , transaction\_type , transaction\_date , amount)**

Serialno should be generated automatically using a sequence.

1. **Emp( empno , ename , job , mgr , hiredate , sal , comm , deptno)**

**Dept(deptno , dname ,loc).**

1. Write a PL/SQL cursor that will list the details of the employees whose salary in less than 3000 and works as a manager.
2. Write down a PL/SQL function or procedure that will take empno , jobs , as input and give a increment of 10 % if job in manager and 15 % else.
3. **Account ( accno , coustomername , balance )**
4. Generate accno automatically with a trigger. When a new record is inserted in this table accno will be generated by the trigger.
5. Write PL/SQL code to count the prime and non-prime balance value for the account records.
6. **Message( msgno , msgtext , from , to )**
7. Write PL/SQL cursor that will insert all the messages whose length in less than 100 character in a seperate table. **sms( smsid , smstext, from, to) .** smsid will be autogenerated with a trigger.
8. Write down PL/SQL procedure that will display all the messages from ‘SSR’ to ‘RC’ .
9. **Emp( empno , ename , job, mgr , hiredate , sal , comm , deptno)**
10. Write down PL/SQL code that will display and update salary by 10% where employee has spent more 10 years in service.
11. Write down trigger that will store all salary updation on employees in separate table with necessary data.