

CAT – II Lab
Database Technologies – ITA5008

SLOT- B2+TB2

Instructions: Question 1 for Even Registration Number

Question 2 for Odd Registration Number

UPLOAD your Submissions in VTOP before the deadline. No extension request will be entertained. Malpractices will be viewed seriously.

Question 1

1.1 Write a PL/SQL program to print integers from 1 to 10 by using PL/SQL FOR loop
[2M]

1.2 Create tables identifying the primary keys and foreign keys

Insert necessary tuples into the tables.

(A) Given the table **EMPLOYEE (EmpNo, FirstName, LastName, Salary, Designation, DeptID)** Convert employee name into uppercase whenever an Employee record is inserted or updated. Trigger to fire before the insert or update.
[5M]

(B) Write a PL/SQL block that will display the employee details along with salary using cursors
[5M]

1.3 Write the PL/SQL programs to create the procedure for factorial of given number.
[3M]

Question 2

2.1 Write a PL / SQL program to check whether the given number is prime or not. [2M]

2.2 Create tables identifying the primary keys and foreign keys

Insert necessary tuples into the tables

STUDENT (StudentID, FirstName, LastName, Age, Branch, Email id)

(A) Convert STUDENT FirstName into uppercase whenever an STUDENT record is inserted or updated. Trigger to fire before the insert or update. [5M]

(B) To write a Cursor to display the list of STUDENTS who are enrolled in CSE and MCA branch. [5M]

2.3 Write the PL/SQL programs to create the procedure to find Fibonacci series. [3M]