UNIVERSITY OF MUMBAI
Practical Examination – April 2014
M.C.A Semester – IV
LABORATORY L402
[ADTA + UML]

Duration: 3 hours   **Seat No: _____**

Marks: 40 Marks

General Instructions:
- *A practical consists of two parts: Part A (**ADTA**) and Part B (**UML.**) where*
    1. *Part A consists of 25 marks.*
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- ***Viva for Part A and Part B will be taken at the time of practical as well as after the practical if required.***
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- *Once you finish with the code show it to the examiner for testing. Attach the printout of the program and its out put along with the answer book.*

PART A (25 Marks)

Q. 1	A)	Do the following:
		    1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal.
		    2. Partition the **Account** table based on AcctBal having following range:
		        P1 = Less than 2000
		        P2 = Less than 5000
		        P3 = Above 5000
		    3. Insert five records in **Account** Table.
		    4. Display records of customers having account balance between 2000 and 5000.
		    5. Add one more partition P4 which will store records of customers having account balance more than 7000
			15

	B)	1. Create table emp with fields empid, empname, gender, salary, rating. Write the procedure to insert 500 records in emp1 table. **2.** Create Bitmap indexing on it to demonstrate that how indexing impacts consistent gets.	10

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PART A (25 Marks)

Q. 1 A)	Do the following: 1. Create table **Product** with fields ProdNo, Pname, Rate, Qty_available. 2. Partition the **Product** table based on ProdNo into Four partitions PD1, PD2, PD3, PD4. 3. Insert five records in **Product** Table. 4. Display records of partition PD3. 5. Add one more partition PD5.	15
B)	Do the following. 1. Create **Book_type** by grouping the information Bookno, Title, Author. 2. Create table **Purchase** with Pid, book_type, date, amount. 3. Insert five records in **Purchase** Table. 4. List Books having amount more than 500.	10

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PART A (25 Marks)

Q. 1	A)	Do the following:
		    1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal.
		    2. Partition the **Account** table based on Branch as per following.
		        B1 = (Mulund , Thane, Kalwa)
		        B2 = (Borivali, Malad, Dahisar)
		        B3 = (Vashi, CBD, Panvel)
		    3. Insert eight records in **Account** table.
		    4. Add one more partition B4 = (Sion, Vidyavihar, Ghatkoper)
		    5. Display all records of partition B3.
			15

	B)	Do the following.
		    1. Use **EMP** table and create **EMP_TYPE** by grouping empno, ename, job.
		    2. Create an Object View **EMP_OBJ_V** based on EMP table using EMP_TYPE having salary greater than 1500
			10

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PART A (25 Marks)

Q. 1	A)	Do the following:
		    1. Create table **Student** with fields RollNo, Name, City, DOB, Subject.
		    2. Partition the **Student** table based on Subjects as per following.
		        S1 = (SAD , Cprog, PEM)
		        S2 = (MIS,DBMS, SE)
		        S3 = (ADBT, NS, JAVA)
		    3. Insert eight records in **Student** table.
		    4. Add one more partition S4 = (ERP, AdvJAVA, French)
		    5. Display all records of partition S2.
			15

	B)	Do the following.
		    1. Use EMP table and create **EMP_TYPE** by grouping empno, ename, job.
		    2. Create an Object View **EMP_OBJ_V** based on EMP table using EMP_TYPE for the Department 30.
			10

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PART A (25 Marks)

Q. 1 A)	Do the following:	15
	1. Create table **Patient** with fields PatientNo, PName, OPD_date, Charges.	
	2. Partition the **Patient** table based on OPD_Date having following range:	
	D1 = 01-Jan-2008 to 31-Mar-2008	
	D2 = 1-Apr-2008 to 30-Jun-2008	
	D3 = 1-Jul-2008 to 30-Sep-2008	
	D4 = 1-Oct-2008 to 31-Dec-2008	
	3. Insert five records in **Patient** Table.	
	4. Display records of patient visited OPD between 1-Oct-2008 to 31-Dec-2008	
	5. Delete partition D2.	
B)	Do the following:	10
	1. Create table **Student** with StudName, Subjects. Each student is assign three subjects (Use VARRAY)	
	2. Insert Five records in **Student** table.	
	3. Display the records of **Student** table	

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PART A (25 Marks)

Q. 1	A)	Do the following:	15

		1. Create Object **Doctor_type** having member fields DoctorId, Dname, TelNo, Specialization and two member functions GetCharges(nhours) and GetCharges(Specialization, nhours).
		
		GetCharges(nhours) = nhours * 100
		GetCharges(specialization, nhours)
		     If Specialization is Cardioloy charges = nhours * 500
		     If Specialization is Orthopedics charges = nhours * 350
		     If Specialization is Pediatrics charges = nhours * 300
		
		2. Create table **Doctor** of type Doctor_type.
		3. Insert five records in **Doctor** table.
		4. Display DoctorId, Dname, GetCharges with 12 hours and GetCharges of Pediatrics with 4 hours.	

	B)	Do the following: 1. Create table **Voterlist** with fields VoterID, Vname, Age, Area 2. Partition the **Voterlist** table based on VoterID into Four partitions V1, V2, V3, V4. 3. Insert five records in **Voterlist** Table. 4. Display records of partition V3. 5. Add one more partition V5.	10

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PART A (25 Marks)

Q. 1 A)	Do the following:
	1. Create table **Passenger** with fields PID, PName, Address, Destination, Age
	2. Partition the **Passenger** table based on Age having following range:
	    PS1 = Less than 12
	    PS2 = Less than 60
	    PS3 = Above 60
	3. Insert five records in **Passenger** Table.
	4. Display records of Senior Citizen Passengers.
	5. Add one more partition PS4 which will store records of Passengers whose age is more than 75.
		15

B)	Do the following: 1. Create table inventory with fields prodid, channeled, quantity. 2. Insert 5 records in it 3. Write a query to find total amount of quantity where individual count of a product is >200. (use case Expression) 4. Display the sum of the quantities for channel id 2 (use case case expression)	10

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PART A (25 Marks)

Q. 1 A)	Do the following:
	1. Create table **Bank** with fields BankId, BName, Location
	2. Partition the **Bank** table based on Location as per following.
	    BK1 = (Mumbai, Pune, Nashik)
	    BK2 = (Lucknow, Kanpur, Varanasi)
	    BK3 = (Chandigarh, Mohali, Amritsar)
	    BK4 = (GandhiNagar, Ahmedabad, Surat)
	3. Insert eight records in **Bank** table.
	4. Merge partition BK2 and BK3 as BK_New
	5. Display all records of partition BK_New.
		15

B)	1. Create table employee with fields eno, ename, deptid, projects employee currently handling as varray. 2. Insert 5 records in it. 3. Display the employee table	10

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PART A (25 Marks)

Q. 1 A)	Do the following: 1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal. 2. Partition the **Account** table based on Branch having following data Branches are Mumbai, Pune, Colkata, Banglore, Chennai, Patna 3. Insert five records in **Account** Table. 4. Display records of customers having account at Mumbai Branch and Balance is less than 5000 5. Our bank opened a new branch at Ooty so add this brach to our partition and add two records to it. 6. Display the records of any one partition	15
B)	Use the data file and Demonstrate how apriori algorithm can be used for business application. Use the given data. <table><tr><th>Transaction</th><th>Items</th></tr><tr><td>t_1</td><td>Bread,Jelly,PeanutButter</td></tr><tr><td>t_2</td><td>Bread,PeanutButter</td></tr><tr><td>t_3</td><td>Bread,Milk,PeanutButter</td></tr><tr><td>t_4</td><td>Beer,Bread</td></tr><tr><td>t_5</td><td>Beer,Milk</td></tr></table>	10

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PART A (25 Marks)

Q. 1	A)	Do the following:
		1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal.
		2. Partition the **Account** table based on AcctBal having following range:
		      P1 = Less than 2000
		      P2 = Less than 5000
		      P3 = Above 5000
		3. Insert five records in **Account** Table.
		4. At the end of quarter interest was given to those accounts where balance is >5000. The interest rate is 7%. Update the account balance for these account
		5. Merge partition p1 and p2
			15

	B)	Do the following. 1. Create **Book_type** by grouping the information Bookno, Title, Author. 2. create type **student** with rollno, name, course semester. 3. Create table **Book issue** with Bid, book_type, dateissue,datereturn , student_type. 4. Insert five records in **Bookissue** Table. 5. List all Books which are issued. 6. list all books which are issued for more than 15 days.	10

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PART A (25 Marks)

Q. 1	A)	Do the following:
		1. Create table **Product** with fields ProdNo, Pname, Rate, Qty_available.
		2. Partition the **Product** table based on Rate
		      Rate <200
		      Rate >=200 and <500
		      Rate >=500
		3. Insert five records in **Product** Table.
		4. Display the details of products which are priced between 300 and 499.
		5. Add one more partition which will store values between 501 and 1000.
			15

	B)	Do the following. 1. Use **EMP** table and create **EMP_TYPE** by grouping empno, ename, job, salary. 2. Create an Object View **EMP_OBJ_V** based on EMP table using EMP_TYPE having job analyst and programmer with salary above 1500 Rs.	10

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PART A (25 Marks)

Q. 1 A)	Do the following:	15
	1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal.	
	2. Partition the **Account** table based on Branch as per following.	
	B1 = (Mulund , Thane, Kalwa)	
	B2 = (Borivali, Malad, Dahisar)	
	B3 = (Vashi, CBD, Panvel)	
	3. Insert eight records in **Account** table.	
	4. merge partition B1 and B2	
	5. display details of partition B3 except Vashi.	
B)	1. Create table emp with fields eid, empname, deptno (Number)	10
	2. Display the eid, empname and instade of deptno display	
	For 10 : Account	
	20 : marketing	
	30 research.	
	Else unknown (using Case expression)	

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PART A (25 Marks)

Q. 1 A)	. Do the following:
	    1. Create table **Student** with fields RollNo, Name, City, DOB, Subject.
	    2. Partition the **Student** table based on Subjects as per following.
	        S1 = (SAD , Cprog, PEM)
	        S2 = (MIS,DBMS, SE)
	        S3 = (ADBT, NS, JAVA)
	    3. Insert eight records in **Student** table.
	    4. display the details of students who opt for SAD, Cprog, PEM
	    5. Display all records of partition S2 leaving MIS.
		15

B)	Do the following.
	    1. Use EMP table and create **EMP_TYPE** by grouping empno, ename, job, deptno, salary.
	    2. Create an Object View **EMP_OBJ_V** based on EMP table using EMP_TYPE for the Department 20 and salary <2000.
		10

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PART A (25 Marks)

Q. 1	A)	Do the following:
		1. Create table **Patient** with fields PatientNo, PName, OPD_dept, OPD_date, Charges.
		2. Partition the **Patient** table based on OPD_Dept having following dept:
		   D1 = Casulty
		   D2 = Surgery
		   D3 = ENT
		   D4 = Ortho
		3. Insert five records in **Patient** Table.
		4. Display records of patient visited OPD between 1-Oct-2008 to 31-Dec-2008 in ENT department
		5. Display records of Patients who visited Surgery Department
			15

	B)	Do the following: 1. Create table **Voterlist** with fields VoterID, Vname, Age, Area 2. Partition the **Voterlist** table based on area into Four partitions V1, V2, V3, V4. 3. Insert five records in **Voterlist** Table. 4. display how many voters are there in each area 5. Which area has maximum number of voters. 6. What is the age of oldest voter in area V1	10

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PART A (25 Marks)

Q. 1	A)	1. Create type **Patient** with fields PatientNo, PName, OPD_dept, OPD_date, In type patient add member function called OPDCharges as 15 If General = 500 ENT = 1000 Ortho = 800 Surgery = 900 2. create table Patients and Insert five records in **Patients** Table. 3. Display records of patient visited OPD between 1-Oct-2008 to 31-Dec-2008 in ENT department 4. Display the charges paid by every patient.	15
	B)	1. Create table employee with fields eno, ename, eaddress, sal. Create horizontal partitioning of this table such that salary <10000 will go in one fragment and above that will go in other fragment. 2. Insert 5 records in fragments using trigger	10

UNIVERSITY OF MUMBAI
Practical Examination – April 2014
M.C.A Semester – IV
LABORATORY L402
[ADTA + UML]

Duration: 3 hours   Seat No: _____
Marks: 40 Marks
General Instructions:
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PART A (25 Marks)

Q. 1 A)	1. Create type **Patient** with fields PatientNo, PName, OPD_dept, OPD_date, In type patient add member function called OPDCharges as If General = 500 ENT = 1000 Ortho = 800 Surgery = 900 300 for repeat Patient. 2. Create table Patients and Insert five records in **Patients** Table. 3. Display the details of patient who are repeater.	15
B)	1. Create table product with fields pid, pname, prdesc, prcost. Create vertical fragments of a table such as pid, pname, pdesc should go in one fragment and pid and cost in other. 2. Write a trigger to insert data in fragments	10

UNIVERSITY OF MUMBAI
Practical Examination – April 2014
M.C.A Semester – IV
LABORATORY L402
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PART A (25 Marks)

Q. 1 A)	Do the following: 1. Create table **Passenger** with fields PID, PName, Address, Destination, Age 2. Partition the **Passenger** table using Hash partition 3. Insert five records in **Passenger** Table. 4. Rename the partition 5. Display records of 1st partition 6. delete one partition	15
B)	1. Create table inventory with fields prodid, channeled, quantity 2. Insert 5 records in it 3. Write a query to find total amount of quantity where individual count of a product is >200. (use case Expression) 4. Display the sum of the quantities for channel id 2 (use case case expression) .	10

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PART A (25 Marks)

Q. 1 A)	1. Create table invoice with fields inv_no, inv_date, cust_name, inv_amt. partition the table for storing records Quarterly. Name these partition as Q1, Q2, Q3, Q4 respectively. 2. Insert few records in the table 3. Write queries to find number of invoices generated in each quarter 4. Display total amount collected in Quarter3	15

B)	1. Create table emp with fields eid, empname, deptno (Number) (10)
	 2. Display the eid, empname and instade of deptno display
	   For 10 : Account
	       20 : marketing
	       30 research.
	       Else unknown (using Case expression)
		10

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PART A (25 Marks)

Q. 1 A)	1. Create table book with fields Bookid, title, author, price, rating. Rating would be 1,2 and 3. 2. Partition the table on book. 3. Insert five records in it. 4. How many books are there of Nehru with rating 1 5. Display the information of book which is least priced book with rating 1.	15
B)	1. Create table employee with fields eno, ename, eaddr, salary. 2. Write a trigger which will create replication of this table 3. Insert 4 records in the table which should get replicated to the replication table.	10

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PART A (25 Marks)

Q. 1 A)	1. Create table book with fields Bookid, title, author, price, rating. Rating would be 1,2 and 3. 2. Partition the table on book. 3. Insert five records in it. 4. What is the average price of rating 2 books 5. How many books are there with rating 3.	15
B)	1. Create table employee with fields eno, ename, eaddress, sal. Create horizontal partitioning of this table such that salary <10000 will go in one fragment and above that will go in other fragment. 2. Insert 3 records in fragments 3. Delete the record of other fragment which is not there in your login from your login	10

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LABORATORY L402
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PART A (25 Marks)

Q. 1 A)	1. Create table book with fields Bookid, title, author, price, rating. Rating would be 1,2 and 3. 15 2. Partition the table on book. 3. Insert five records in it. 4. Write a query to find total price of dunham's books 5. Count the number of books for each rating	15
B)	1. Use emp table and display highest and lowest salary of each department using first and last . 2. Wire a query to returns salary of previous row. Also calculate the difference between salary of current row and previous row	10

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PART A (25 Marks)

Q. 1 A)	1. Create table book with fields Bookid, title, author, price, rating. Rating would be 1,2 and 3. 15 2. Partition the table on book. 3. Insert five records in it. 4. What is the total price of rating 3 books 5. Display the details of costlier book in ach rating	15
B)	1. Use emp table and write a query to display the information of those employee who hired first in every department (using first or last) 2. Wire a query to returns salary of next row. Also calculate the difference between salary of current row and following row	10

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PART A (25 Marks)

Q. 1	A)	1. Do the following: [15]
		    1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal.
		    2. Partition the **Account** table based on Branch as per following.
		        B1 = (Mulund , Thane, Kalwa)
		        B2 = (Borivali, Malad, Dahisar)
		        B3 = (Vashi, CBD, Panvel)
		2. Insert eight records in **Account** table.
		3. Split partition B2 put records of borivali in one partition and malad and dahisar in other partition.
			15

	B)	1. Create table orders with fields o_date, Pid, qty. 2. Insert 6 records in it 3. Find out the difference of current date and previous record date	10

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PART A (25 Marks)

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		          B1 = (Mulund , Thane, Kalwa)
		          B2 = (Borivali, Malad, Dahisar)
		          B3 = (Vashi, CBD, Panvel)
		 2. Insert eight records in **Account** table.
		 3. Our bank is closing down the branch at CBD so delete CBD from B3 partition.
		 4. Rename the partitions as Branch1, Branch2, Branch3.
			15

	B)	1. Use emp table and display deptno, job, sum of salaries according to deptno and within deptno according to jobs. 2. Using same table Display deptno, jobs, sum of the salaries and number of employees working in every department	10

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		    2. Partition the **Account** table based on Branch as per following.
		        B1 = (Mulund , Thane, Kalwa)
		        B2 = (Borivali, Malad, Dahisar)
		        B3 = (Vashi, CBD, Panvel)
		2. Insert eight records in **Account** table.
		3. We have started few more branch so add one more partition as B4 = Badlapur, Kalyan, Dombivali.
		4. Add 2 records in this new partition.
		5. Display the number of customer B1 partition has.
			15

	B)	1. Create table orders with fields o_date, Pid, qty. 2. Insert 6 records in it 3. Find out the difference of current date and previous record date.	10

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		     2. Partition the **Account** table based on Branch as per following.
		         B1 = (Mulund , Thane, Kalwa)
		         B2 = (Borivali, Malad, Dahisar)
		         B3 = (Vashi, CBD, Panvel)
		 2. Insert eight records in **Account** table.
		 3. Add two more branches in B1 Bhandup, Ghatkopar.
		 4. Insert 2 records in it.
		 5. What is the total account balance B3 branch has
			15

	B)	1. Use emp table and display deptno, job, sum of salaries according to deptno and within deptno according to jobs. 2. Using same table Display deptno, jobs, sum of the salaries and number of employees working in every department.	10

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PART A (25 Marks)

Q. 1 A)	1. Create type address with fields street, city, state, pin. 2. Create type person with fields name and address 3. Create table customer with fields cid, person. 4. Insert 4 records in this ORDBMS table. 5. Display customer id and name of all customer. 6. Display custid, name and city of all customer.	15
B)	1. Create table sales_rep with fields rid, div, name, comm. 2. Enter 5 records in it. 3. Using OLAP query display rid, div, sum of commission sales representatives wise. 4. Using OLAP query display division wise total commission	10

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PART A (25 Marks)

Q. 1 A)	1. Create type address with fields street, city, state, pin. 2. Create type person with fields name and address 3. Create table customer with fields cid, person. 4. Insert 4 records in this ORDBMS table. 5. Display custid and name of customer who are staying in Mumbai. 6. Write a query to find out how many customers are there from each state in our database.	15
B)	1. Use emp table and rank the records in such a way that even if two records get same rank, the rank should not be skipped. 2. Display the information of 3 highest salaried employees. 3. Rank the employee record in ascending order of salary and display in descending order of salary.	10

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PART A (25 Marks)

Q. 1 A)	1. Create type address with fields street, city, state, pin. 2. Create type person with fields name and address 3. Create table customer with fields cid, person. 4. Insert 4 records in this ORDBMS table. 5. Display the details of all customer whose name starting from d 6. Display the details of customer whose custid is 101 and from Mumbai	15
B)	1. Use emp table and display empno, ename, salary in the descending order of commission and replace all null values by 9999. 2. Display deptno, empno, empname, jobs and give the ranking to the salary department wise. 3. Display deptno, empno, empname, jobs and give the ranking to the salary job wise.	10

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PART A (25 Marks)

Q. 1 A)	1. Create type address with fields street, city, state, pin. 2. Create type person with fields name and address 3. Create table customer with fields cid, person. 4. Insert 4 records in this ORDBMS table. 5. Change the city name madras to Chennai 6. Delete the details of all customer who are from delhi.	15
B)	1. Use emp table and display empno, ename, salary in the descending order of commission and replace all null values by 9999. 2. Display the information of employees rank only employees working as a salesman. 3. Display details of employee and persentile rank the employees of dept 30	10

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PART A (25 Marks)

Q. 1 A)	1. Create the type called name with fields fname, mname, lname. 2. Create the type marks with fields M1, M2, M3 3. Create table student with fields rollno,name,marks. 4. Insert 6 records in the table 5. Display the rollno, name and total marks obtained by each student.	15
B)	1. Use emp table and display details of employee from department 20 using dense rank on salary. 2. Display first five records of employee in descending order of their salary. 3. Display records of all analyst in descending order and rank them in ascending order.	10

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PART A (25 Marks)

Q. 1	A)	1. Create type project with fields pid, pname, cost 2. Create varray of type project 3. Create table employee with fields eno, ename, deptid, projects employee currently handling as varray. 4. Insert 5 records in it. 5. Display the contents of employee table 6. Display all the projects undertaken by empid 101	15
	B)	1. Create table weather with fields month, year, avg_temp. 2. Insert 10 records in it. 3. Use the rank function to display the information of weather in order to hottest month to coolest month. 4. Use rank function to find hottest month of every year.	10

UNIVERSITY OF MUMBAI
Practical Examination – April 2014
M.C.A Semester – IV
LABORATORY L402
[ADTA + UML]

Duration: 3 hours   **Seat No: _____**

Marks: 40 Marks

General Instructions:

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PART A (25 Marks)

Q. 1	A)	1. Create nested table as course list. 2. Create table student with rollno, name, courses he/she took 3. Insert 5 records in department table 4. Update the record for Tanvi as she wants to change E-Business to SOA	15
	B)	1. Create table sales with fields storecode, month, amount 2. Insert 10 records in it. 3. Display highest sale of every month using rank function. 4. Display highest sale of every store using rank function.	10

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PART A (25 Marks)

Q. 1	A)	1. Create nested table as product list 2. Create table order with fields o_no, date, cust_name, products as product list. 3. Insert 5 records in it 4. Update order no 101 change the product list as pen, pencil, eraser, sharpner.	15
	B)	1. Use emp table and display information of employee with 2nd highest salary. 2. Find the information of employees who is drawing lowest salary in each department 3. Find the information of employees who is drawing highest salary in each job designation	10

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PART A (25 Marks)

Q. 1	A)	1. Create nested table as address with fields street,city, pin 2. Create table customer with cid, name, address. 3. Insert 5 records in it 4. Display the details of customers who are from thane 5. Display the details of customer whose name start from M	15
	B)	1. Create table inventory with fields pid, productname, channeled, quantity 2. Insert 6 records in it. 3. Find total amount of inventory of those product where quantity is >200 using case expression 4. Display the sum of quantities for channeled 2 using case expression	10

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PART A (25 Marks)

Q. 1 A)	1. Create type stud_ty with fields rollno, name. 2. Update stud_ty add 2 more attributes to it course and feepaid 3. Create student table of type stud_ty 4. Insert 5 records in it 5. Update table student for rollno 25 for the course MCA fees paid as 87000	15
B)	1. Create table customer with fields cid, cname,creditlimit 2. Write a query to display cid,cname, creditlimit and captions for creditlimit as low when <100, 100 to 500 Medium, >500 High (using Case expression.) 3. Count all customer in creditlimit low	10

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PART A (25 Marks)

Q. 1 A)	1. Create type stud_ty with fields rollno, name, course
	2. Create student table of type stud_ty
	3. Insert 5 records in it
	4. Update type stud_ty add member function as getfees where parameters are
	   BE ---87000
	   MS -- 1,00,000
	   ME—1,25,000
	5. Display the record of student table with fees
		15

B)	1. Use emp table and display captions for salary as <1500 Low, >=1500 to 2500 as medium amd above 2500 as high using case expression.. 2. Count number of employees in high salary, medium and low using case expression	10

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PART A (25 Marks)

Q. 1 A)	1. Create type book_ty with fields bookid, bookname, price and memberfunction as discount 2. Create table book of type book_ty 3. Insert 5 records in it 4. Display records of Book table with discounted price	15
B)	Use weather.arff file from weka's data folder and apply suitable classification algorithm on it and interpret the result	10

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PART A (25 Marks)

Q. 1	A)	Do the following:	15
		1. Create table **Account** with fields AcctNo, CustName, Branch, AcctBal.	
		2. Partition the **Account** table based on Branch as per following.	
		B1 = (Mulund , Thane, Kalwa)	
		B2 = (Borivali, Malad, Dahisar)	
		B3 = (Vashi, CBD, Panvel)	
		3. Insert 6 records in **Account** table.	
		4. Add one more partition B4 = (Sion, Vidyavihar, Ghatkoper)	
		5. display the records of B4 partition except customer from Sion and having acctbal less than 5000.	
	B)	1. Create type address with fields street, city, state, pin.	10
		2. Create type person with fields name and address	
		3. Create table customer with fields cid, person.	
		4. Insert 4 records in this ORDBMS table.	

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PART A (25 Marks)

Q. 1	A)	1. Create type **Account** with fields AcctNo, CustName, Branch, AcctBal with member function which will categorize customer as acctbal <5000 Category C aactbal >=5000 to 50000 category B acctbal >= 50000 category A 2. Create table accounts f type account 3. Insert 5 records in it Display details of accounts table with categorization	15
	B)	1. Create the table customer having fields cid, name, street, city, pin. 2. Insert 5 records in it 3. Create object view which will include only customer from pune. 4. Insert record in object view	10