



# Manipal Institute of Technology

MANIPAL

*Constituent Institute of Manipal Academy of Higher Education*

IV SEMESTER B. TECH. JUNE 2020

END SEMESTER – 5<sup>th</sup> June 2020, 3 PM to 5 PM

SUBJECT: DATABASE SYSTEMS LAB (CSE 2262)

## Instructions to Candidates:

Students have to write the answers in their own handwriting on a white sheet of paper.

The details to be mandatorily written on the answer sheet: name, semester, section, roll no, registration no, course name, signature with date.

On completion of answering the assignment, students to scan/image (using device of your choice) all the answer sheet/s in sequence and save it with file name as their registration number in PDF format / Image format.

Upload the above pdf/image file containing the answers to **google form/MS teams Assignment** platform as the case may be, within the given schedule.

Click on “Add work” option, attach the pdf/image and then click on “Turn in” or “Hand in”.

Student to contact faculty member concerned through mail/phone in case of any difficulty faced by them during the assessment process,

1. Write the create statement for the below mentioned tables with all attributes and constraints: (3M)

Match(MatchID, TeamName1, TeamName2, Ground, MatchDate)

Player(PlayerID, LastName, FirstName, Country, YearBorn, BirthPlace)

Batting(MatchID, PlayerID, BattingOrder, RunsScored)

### NOTE:

- MatchID in Batting table refers to MatchID of Match Table
- PlayerID in Batting table refers to PlayerID of Player Table

2. Write the insert statement for 1 row for each of the created table. (2M)

3. Write SQL queries for the following using the above database

- a. Find all the information about players from India who were born after 1975. (1.5M)
- b. List matches played in which TeamName1 is India or Australia. (1.5M)
- c. Find the names of all players that have batted in all the ODI matches in Melbourne ground. (2.5M)
- d. Find the youngest player. (2.5M)

4. Create a PLSQL block to read a player id and display his total number of runs in words. (i.e. if the total runs is 10 then display “ONE” “ZERO”). (7M)

## Marks Distribution

	SQL			PLSQL	Total Marks
	Create Tables (3M)	Inserting rows (2M)	4 Queries (1.5+1.5+2.5+2.5)	Display the runs of batsman	
Write-up Marks	13M			7M	20M

MatchId	TeamName1	TeamName2	Ground	MatchDate
2675	Australia	India	Melbourne	10/2/2008
2688	Australia	India	Sydney	2/3/2008
2689	Australia	India	Brisbane	4/3/2008
2755	India	West Indies	Brisbane	7/7/2010
2750	Sri Lanka	India	Brisbane	7/4/2010

PlayerId	LastName	FirstName	Country	YearBorn	BirthPlace
89001	Tendulkar	Sachin	India	1973	Mumbai
27002	Sharma	Ishant	India	1988	Delhi
99001	Lee	Brett	Australia	1976	Wollongong
98002	Lara	Brian	West Indies	1969	Santa Cruz
91001	Jayasurya	Sanath	Sri Lanka	1969	Matara

MatchID	PlayerId	RunsScored	BattingOrder
2689	89001	71	1
2688	98002	42	2
2675	27002	0	2
2689	99001	9	2
2755	89001	44	1
2750	89001	40	4
2755	27002	29	3
2675	27002	0	4