Subject: Computer Science

Course Code: SP/CSC/504/SEC-3   **Course ID: 51520**

Course Title: MYSQL Programming (using SQL/PL-SQL) (Practical)

Full Marks: 15   **Time: 2 Hrs.**

The figures in the margin indicate full marks

1. Answer *any one* of the following questions: **(15)**

   a) Retrieve the names of the employees and the names of their respective managers from the Employee table:

Employee_No	Name	Manager_No
E00001	Navin Basu	E00002
E00002	Bimal Kar	E00005
E00003	Shyamal Roy	E00004
E00004	Amal Dey	-
E00005	Aman Yogi	-

   b) Write SQL commands to create a table called Employee_Info that contains seven columns: EmployeeID, EmployeeName, EmergencyContactName, PhoneNumber, Address, City, Country. Add a column DOB and change the data type to date. Drop column BloodGroup from the table.

   c) An HRD manager has decided to raise the salary of all the employees in department number 20 by 0.05. Whenever any such raise is given to the employee, a record for the same is maintained in the Emp_Raise table. Write PL/SQL block to update the salary of each employee and insert a record in the Emp_Raise table.

Column Name	Data Type	Size	Attributes
Emp_No	varchar2	6	The employee's number
Raise_Date	date	--	The date on which the raise was given
Raise_Amt	Number	8,2	The amount of raise in salary

   d) Retrieve all orders placed by a client named Rahul Desai from the Sales_Order table.

   Table Name: Sales_Order

Order No	Client No	Order Date
O19001	C00001	12-Apr-2020

O119002	C00007	25-Dec-2020
O19003	C00002	20-Aug-2020
O190004	C00007	12-Jan-2020

Table Name: Client_Master

Client No	Name	Bal Due
C0001	Ashok Mehera	500
C0003	Vishal Parikh	1000
C0004	Rohit Roy	0
C0007	Rahul Desai	0