B.Com Computer Applications - III Semester (New) w.e.f. 2019-20
RELATIONAL DATABASE MANAGEMENT SYSTEM Practical Question Bank
Paper No.DSC 303

Time: 60 Minutes

Record :   10
Viva-Voce : 10
Skill Test :   15

Total Marks : 35

A. Create a **Supplier** table as shown below : (for questions from 1 to 10)

Sup_No (Primary Key)	Sup_Name	Item_Supplied	Item_Price	City
S1	Suresh	Keyboard	400	Hyderabad
S2	Kiran	Processor	8000	Delhi
S3	Mohan	Mouse	350	Delhi
S4	Ramesh	Processor	9000	Bangalore
S5	Manish	Printer	6000	Mumbai
S6	Srikanth	Processor	8500	Chennai

1. Write sql query to display Suplier numbers and Supplier names whose name starts with 'R'

2. Write sql query to display the name of suppliers who supply Processors and whose city is Delhi.

3. Write sql query to display the names of suppliers who supply the same items as supplied by Ramesh.

4. Write sql query to increase the price of Keyboard by 200.

5. Write sql query to display supplier numbers, Suplier names and itemprice for suppliers in delhi in the ascending order of itemprice.

6. Write sql query to add a new column called CONTACTNO.

7. Write sql query to delete the record whose itemprice is the lowest of all the items supplied .

8. Create a view on the table which displays only supplier numbers and supplier names.

9. Write sql query to display the records in the descending order of itemprice for each itemsupplied.

10. Write sql query to display the records of suppliers who supply items other than Processor or Keyboard.

B. Below are the details of Employees working for a software Company. (For questions from 11 to 20)

Create the table called **EmpDetails** with the below mentioned details.

Eid (Primary Key)	Ename	DOB	Designation	Salary	DOJ
E101	Suma	29-Dec-89	Designer	20000	01-Apr-10
E102	Amit	10-Jan-95	Programmer	25000	18-Feb-18
E103	Payal	15-Aug-85	Tester	35000	13-Jun-11
E104	Kiran	20-Apr-90	Programmer	40000	7-Mar-14
E105	Meenal	29-May-83	DBA	50000	9-Dec-11
E106	Sheila	1-May-70	Analyst	60000	25-Sep-18
E107	Swamy	13-Jan-85	Programmer	45000	14-Feb-16
E108	Sushma	22-Dec-76	DBA	45000	31-Jan-12

11. Write sql query to display all the employees whose designation is Programmer.

12. Write sql query to display employees who have joined after 2014.

13. Write sql query to display all the employees whose name ends with 'a'.

14.   Write sql query to display the total salary of all the employees whose designation is programmer.

15. Write sql query to display all the employee names in upper case.

16. Write sql query to display the details of the employee with highest experience.

17. Write sql query to display the details of the employees whose name contains 'ee'.

18. Write sql query to increase the salaries of employees by 5000 whose designation is DBA.

19. Write sql query to display the employees whose salary is more than the average salary of all the employees.

20. Write sql query to display the record in the following format:

   xxxxxxxxx is working as xxxxxxxxxxxxxx with a Salary of Rs.xxxxxxxx

eg: Suma is working as Designer with a Salary of Rs. 20000

C. Create the two tables as shown below with the given constraints: (for questions 21 to 30)

Table name: **Employee**   Tablename: **Department**

Constraints: Eid is Primary key and DeptId is foreign key   Constraints:DeptId Primary key

Salary should not be less than 10000   and Dname is NOT NULL

Eid (Primary Key)	Ename	DeptId (Foreign Key)	Designation	Salary (> 10000)	DOJ
101	Sudha	D2	Clerk	20000	01-Apr-10
102	David	D1	Manager	50000	18-Feb-18
103	Preethi	D3	Clerk	35000	13-Jun-11
104	Kiran	D1	Salesman	20000	7-Mar-14
105	Meenal	D2	Clerk	50000	9-Dec-11
106	Sunitha	D3	Manager	60000	25-Sep-18
107	Akhil	D3	Clerk	25000	14-Feb-16
108	Sushma	D2	Manager	45000	31-Jan-12

DeptId (Primary Key)	Dname
D1	Sales
D2	Marketing
D3	Finance

21. Write sql query to display all the employees who earn more than average salary of all the employees in the company.

22. Write sql query to display the fields Eid, Ename and Dname.

23. Write sql query to sort the employee table in the descending order of salaries.

24. Write sql query to list all the job designations in the employee table without repetitions.

25. Write sql query to display all the employee details Department wise and in the ascending order of their salaries.

26. Write sql query to display all the clerks in DeptId D2.

27. Write sql query to display all the employees who joined in the year 2011.

28. Write sql query to display all the employees who joined in the month of February.

29. Write sql query to display all the employees whose salary is between 30000 and 45000.

30.   Write sql query to display all the employee details along with their work experience in the company till current date.

D. Below are the details of Students enrolled in various course of B.Com (For questions from 31 to 40)

Create the table called **Student** with the below mentioned details.

Sid (Primary Key)	Sname	DOB	State	Gender	Category	Course
1001	Neha	29-Dec-02	Telangana	F	Gen	Comp
1002	Arun	10-Jan-02	Telangana	M	OBC	Honors
1003	Payal	15-Aug-01	Maharashtra	F	Gen	Appl
1004	Amrita	20-Apr-02	Karnataka	F	OBC	Honors
1005	Pavan	29-May-03	AndhraPradesh	M	ExServicemen	Comp
1006	Anchal	1-May-03	Gujarat	F	OBC	Comp
1007	Ramya	13-Jan-02	Telangana	F	Gen	Appl
1008	Rakesh	22-Dec-01	AndhraPradesh	M	Sports	Comp

31. Write sql query to display the students who are not from Telangana or AndhraPradesh.

32. Create a view to display the columns Sid, Sname for students belonging to Telangana.

33. Write sql query to create an index on column Sname.

34. Write sql query to display all the female students enrolled under Comp course and who belong to OBC.

35. Write sql query to display the student ids, names, and their present age.

36. Write sql query to display the students in the ascending order of their names for each course.

37. Write sql query to delete all the students records who have enrolled for Comp course and who are born after 2002.

38. Write a sql query to add two new columns Contactno and Email to the existing fields.

39. Writs an sql query to display all the Student names prefixed with Mr./Ms. Based on Gender column.

40. Write an sql query to display all the Student names where the length of the name is 5 characters.

E. Create a Table for Library Information : (for questions from 41 to 50)

Table name: **Library**

Constraints: BookId is primary key and BookName is NOT NULL

BookId (Primary Key)	BookName	Author	DatePurchased	Publisher	Price
B101	Cost Accounting	Jain Narang	11-Feb-13	Kalyani	800
B102	Business Statistics	OP Aggarwal	22-Dec-11	Himalaya	750
B103	Rdbms	C J Date	2-Mar-15	TMH	900
B104	Mgmt Accounting	RK Sharma	19-Apr-16	Kalyani	450
B105	Operating Systems	Galvin	25-Nov-13	PHI	750
B106	Advanced Accounting	SC Gupta	16-Apr-18	Himalaya	600

41. Write sql query to display the list of authors from Himalaya publications.

42. Write sql query to display the total cost of books purchased Publisher wise.

43. Write sql query to count the total number of books under Kalyani publications.

44. Write sql query to rename the column Publisher as Publications.

45. Write a sql query to display the books in the ascending order of DatePurchased.

46. Write sql query to create an index on the fields BookName and Author.

47. Write sql query to display the books whose price is between 500 and 700

48. Write sql query to increase the price of all the books by 200 for publishers other than Himalaya or Kalyani.

49. Write sql query to display the book details where author name contains the name Sharma.

50. Create a view to display the fields BookId and BookName where the Publisher is Himalaya.