



Name:  
Enrolment No:

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, May 2022**

**Course: Database Systems & Database Management**

**Program: MBA Digital Business**

**Course Code: DIGM 7002**

**Semester: 2**

**Time : 03 hrs.**

**Max. Marks: 100**

**Instructions:** *The student must write his/her name and enrolment no. in the space designated above.*

**SECTION A**  
**10Qx2M=20Marks**

S. No.		Marks	CO
Q1	Which of the following is not an example of DBMS? a) MySQL b) Microsoft Access c) IBM DB2 d) Google	2	CO1
Q2	Which of the following is not a function of the database? a) Managing stored data b) Manipulating data c) Security for stored data d) Analysing code	2	CO1
Q3	What is information about data called? a) Hyper data b) Tera data c) Meta data d) Relations	2	CO1
Q4	What does an RDBMS consist of? a) Collection of Records b) Collection of Keys c) Collection of Tables d) Collection of Fields	2	CO2
Q5	The ability to query data, as well as insert, delete, and alter tuples, is offered by _____ a) TCL (Transaction Control Language) b) DCL (Data Control Language) c) DDL (Data Definition Language) d) DML (Data Manipulation Language)	2	CO2
Q6	1. What is the full form of DBMS? a) Data of Binary Management System b) Database Management System c) Database Management Service d) Data Backup Management System	2	CO1

Q7	What is a database? a) Organized collection of information that cannot be accessed, updated, and managed b) Collection of data or information without organizing c) Organized collection of data or information that can be accessed, updated, and managed d) Organized collection of data that cannot be updated	2	CO1
Q8	What is DBMS? a) DBMS is a collection of queries b) DBMS is a high-level language c) DBMS is a programming language d) DBMS stores, modifies and retrieves data	2	CO1
Q9	Which type of data can be stored in the database? a) Image oriented data b) Text, files containing data c) Data in the form of audio or video d) All of the above	2	CO1
Q10	In which of the following formats data is stored in the database management system? a) Image b) Text c) Table d) Graph	2	CO1

**SECTION B**  
**4Qx5M= 20 Marks**

Q1	What will be the result of the following query:- SELECT * FROM Customers WHERE City LIKE '%es%'; {Ref Customers table, with city as an attribute}	5	CO1
Q2	How will count(*) deliver result in an SQL statement?	5	CO1
Q3	Differentiate between OLTP & OLAP.	5	CO2
Q4	How will the following query act:- SELECT DISTINCT Country FROM Customers; {Ref Customers table, with city as an attribute}	5	CO1

**SECTION-C**  
**3Qx10M=30 Marks**

SupplierID	SupplierName	ContactName	Address	City
1	Exotic Liquid	Charlotte Cooper	49 Gilbert St.	Londona
2	New Orleans Cajun Delights	Shelley Burke	P.O. Box 78934	New Orleans

3	Grandma Kelly's Homestead	Regina Murphy	707 Oxford Rd.	Ann Arbor
4	Tokyo Traders	Yoshi Nagase	9-8 Sekimai Musashino-shi	Tokyo
5	Cooperativa de Quesos 'Las Cabras'	Antonio del Valle Saavedra	Calle del Rosal 4	Oviedo
6	Mayumi's	Mayumi Ohno	92 Setsuko Chuo-ku	Osaka
7	Pavlova, Ltd.	Ian Devling	74 Rose St. Moonie Ponds	Melbourne
8	Specialty Biscuits, Ltd.	Peter Wilson	29 King's Way	Manchester
9	PB Knäckebröd AB	Lars Peterson	Kaloadagatan 13	Göteborg
10	Refrescos Americanas LTDA	Carlos Diaz	Av. das Americanas 12.890	São Paulo
11	Heli Süßwaren GmbH & Co. KG	Petra Winkler	Tiergartenstraße 5	Berlin
12	Plutzer Lebensmittelgroßmärkte AG	Martin Bein	Bogenallee 51	Frankfurt
13	Nord-Ost-Fisch Handelsgesellschaft mbH	Sven Petersen	Frahmredder 112a	Cuxhaven
14	Formaggi Fortini s.r.l.	Elio Rossi	Viale Dante, 75	Ravenna
15	Norske Meierier	Beate Vileid	Hatlevegen 5	Sandvika
16	Bigfoot Breweries	Cheryl Saylor	3400 - 8th Avenue Suite 210	Bend
17	Svensk Sjöföda AB	Michael Björn	Brovallavägen 231	Stockholm
18	Aux joyeux ecclésiastiques	Guylène Nodier	203, Rue des Francs-Bourgeois	Paris

19	New England Seafood Cannery	Robb Merchant	Order Processing Dept. 2100 Paul Revere Blvd.	Boston
20	Leka Trading	Chandra Leka	471 Serangoon Loop, Suite #402	Singapore
21	Lyngbysild	Niels Petersen	Lyngbysild Fiskebakken 10	Lyngby
22	Zaanse Snoepfabriek	Dirk Luchte	Verkoop Rijnweg 22	Zaandam
23	Karkki Oy	Anne Heikkonen	Valtakatu 12	Lappeenranta
24	G'day, Mate	Wendy Mackenzie	170 Prince Edward Parade Hunter's Hill	Sydney
25	Ma Maison	Jean-Guy Lauzon	2960 Rue St. Laurent	Montréal
26	Pasta Buttini s.r.l.	Giovanni Giudici	Via dei Gelsomini, 153	Salerno
27	Escargots Nouveaux	Marie Delamare	22, rue H. Voiron	Montceau
28	Gai pâturage	Eliane Noz	Bat. B 3, rue des Alpes	Annecy
29	Forêts d'érables	Chantal Goulet	148 rue Chasseur	Ste-Hyacinthe

Q1	Write an SQL query to find the contact and address of 'Tokyo Traders'. <b>OR</b> Insert another supplier into the table with : name - 'Paras Traders' contact name – 'Paras Enterprises' Address – '146 Pondha' City – 'Dehradun' <i>{Ref the given Table 'Suppliers'}</i>	<b>10</b>	<b>CO3</b>
Q2	What are the advantages of DBMS over File systems?	<b>10</b>	<b>CO3</b>
Q3	Differentiate between 'Database' & 'Database Management Systems'.		

**SECTION-D**  
**2Qx15M= 30 Marks**

Q1	Explain 'Referential Integrity' in an RDBMS. <b>OR</b> Explain the following: a. Primary Key b. Super Key c. Candidate Key d. Foreign Key	<b>15</b>	<b>CO2</b>
Q2	Elucidate upon 'Data Definition Language' & 'Data Manipulation Language'	<b>15</b>	<b>CO2</b>