Total No. of Questions: 3

Enrollment No...EN22CS3Q1719...

Faculty of Engineering / Science
Mid Sem-I Examination February 2024
CS3CO39 / BC3CO65 Database Management System
Programme: B.Tech. / B. Sc.

Duration: 1.5 Hrs.

Branch/Specialization: CSE

Maximum Marks: 30

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

			Marks	BL	CO	PO	PSO
Q.1	i.	Which command is DDL command: a) Create b) Update c) Delete d) Grant	1	BL1	CO1	PO1	PSO1 PSO2
	ii.	Which one is following SQL command is used to add a column in a table? a) UPDATE b) ALTER c) DROP d) INSERT	1	BL3	CO1	PO2	PSO2
	iii.	Which of the following can be a multivalued attribute? a) Date_of_Birth b) Age c) Contact_number d) Name	1	BL3	CO1	PO1	PSO1
	iv.	What does an RDBMS consist of? a) Collection of Records b) Collection of Tables c) Collection of Keys d) Collection of Fields	1	BL2	CO2	PO2	PSO2 PSO4
	v.	In an ER diagram, double line indicates: a) Partial Participation b) Multiple Participation c) Total Participation d) Cardinality N	1	BL3	CO2	PO1	PSO1

vi. The attribute name could be structured as an attribute consisting of first name, middle initial, and last name. This type of attribute is called
   a) Simple attribute
   b) Composite attribute
   c) Multivalued attribute
   d) Derived attribute

	1	BL3	CO2	PO2	PSO2 PSO4

Q.2

		Marks	BL	CO	PO	PSO
i.	Explain Entity and Attributes?	2	BL2	CO1	PO1 PO3	PSO2 PSO4
ii.	What are the main features of DBMS?	3	BL2	CO1	PO1	PSO2 PSO4
iii.	What are the major components of DBMS? Discuss the three-level architecture of database system.	7	BL1	CO1	PO1	PSO2 PSO4
OR iv.	Construct an E-R diagram for a hospital with set of patients and set of medical doctors. Associate with each patient a log of various tests and examinations conducted. Construct appropriate tables for the E-R diagram.	7	BL3	CO1	PO1 PO3	PSO2 PSO4

Q.3

		Marks	BL	CO	PO	PSO
i.	What is RDBMS?	2	BL1	CO2	PO1	PSO2 PSO4
ii.	Write a query to find all the employees whose salary is between 50000 to 100000.	2	BL2	CO2	PO1 PO5	PSO2 PSO4
iii.	Write the commands for DDL and DML. Explain with a suitable example.	8	BL3	CO2	PO1 PO2	PSO2 PSO4
OR iv.	Explain JOIN and its types with example.	8	BL3	CO2	PO1 PO2 PO5	PSO2 PSO4

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