Name:	LIDES
Enrolment no:	UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2021

Course: Data Management

Program: BBA (A&BD)

Course Code: CSEG2019

Semester: III

Time: 03 hrs.

Max. Marks: 100

SECTION A Each question carries 2 marks

	Each question carries 2 marks [Type the answers in TEXT BOX. DO NOT WRITE IN COPIES]		
S.	Question	CO	
No.			
Q 1	What is the full form of DBMS?	CO1	
	a) Data of Binary Management System		
	b) Database Management Service		
	c) Data Backup Management System		
	d) Database Management System		
Q 2	What is information about data called?	CO1	
	a) Hyper data		
	b) Tera data		
	c) Meta data		
	d) Relations		
Q 3	An attribute consisting of first name, middle name, and last name. This type of attribute	CO2	
	is called		
	a) Simple attribute		
	b) Composite attribute		
	c) Multivalued attribute		
	d) Derived attribute		
Q 4	Full form of ERD is	CO2	
	a) Entity Relationship Database		
	b) Entry Relationship Diagram		
	c) Entity Relationship Diagram		
	d) Entry Relationship Database		
Q 5	The correct process of Data Mining is:	CO3	
	a) Infrastructure, Exploration, Analysis, Interpretation, Exploitation		
	b) Exploration, Infrastructure, Analysis, Interpretation, Exploitation		
	c) Exploration, Infrastructure, Interpretation, Analysis, Exploitation		
	d) Exploration, Infrastructure, Analysis, Exploitation, Interpretation		
Q 6	Full form of KDD in data mining is	CO3	
	a) Knowledge Discovery Data		
	b) Knowledge Data definition		
	c) Knowledge data house		
	d) Knowledge Discovery Database		
Q 7	In Second normal form (2NF), following is true for a relation/table:	CO4	
	a) Eliminate all hidden dependencies		
	b) Eliminate the possibility of a insertion anomalies		
	c) Have a composite key		
	d) Have all non key fields depend on the whole primary key		
Q 8	Which Normal forms are based on the concept of functional dependency	CO4	
	a) 4NF		
	b) 3NF		
	c) 2NF		
	d) 5NF		

Q 9	To remove a relation from an SQL, use command	CO5
	a) Remove	
	b) Drop table	
	c) Delete	
	d) Purge	
Q 10	DBMS running across multiple processors is called as	CO5
	a) Distributed systems	
	b) Parallel systems	
	c) Centralized systems	
	d) None of the above	
	SECTION B	
	Each question carries 5 marks	
	[Write brief answers in your copies, SCAN AND UPLOAD.]	
Q 1	Classify different levels of abstraction in the DBMS.	CO1
Q 2	Differentiate between Primary key and Foreign Key.	CO2
Q 3	State the purpose of normalization in DBMS.	CO4
Q 4	Distinguish between DROP, TRUNCATE and DELETE commands.	CO5
	Section C	
	Each question carries 10 Marks.	
	[Write answers in your copies, SCAN AND UPLOAD.]	
Q 1	Elaborate different ACID properties in DBMS.	CO1
Q 2	Define normalization. Explain all normal forms with suitable examples.	CO4
Q3	Discuss Selection, projection and join operators of relational algebra with suitable	
	examples.	CO5
	OR	
	List any two DDL commands in SQL with syntax and appropriate examples.	
	Section D	
	Each question carries 15 Marks.	
0.1	[Write long answers in your copies, SCAN AND UPLOAD.]	I
Q 1	Draw the E-R diagram for the Online bookstore. It has following entities and attributes:	
	i. Author(<u>name</u> , <u>address</u>)	
	ii. Publisher(<u>name</u>, address, phone)iii. Books(title, year, price, <u>ISBN</u>)	
	iv. Supplier(name, address)	
	1v. Supplier(<u>name</u> , address)	
	The entities have following relations:	CO2
	Books are written by authors	COZ
	Books are published by publishers	
	 Supplier supply books 	
	Supplier supply books	
	Draw the E-R diagram, which models the above online bookstore.	
Q 2	Consider the following relation schema	
	Works (Pname, Cname, salary)	
	LivesIn(Pname,Street,City)	
	locatedIn (Cname, city)	
	Write the SQL queries for the following	CO5
	i. Find the names of all persons who live in the city Bangalore.	003
	ii. Retrieve the names of all person of "Infosys" whose salary is less than Rs. 50000	
	iii. Find the names of all persons who lives and work in the same city	
	OR	
	Write SQL syntax for SELECT , ALTER & UPDATE using suitable examples.	