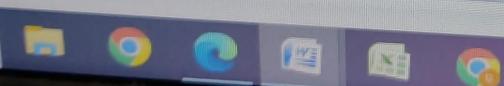


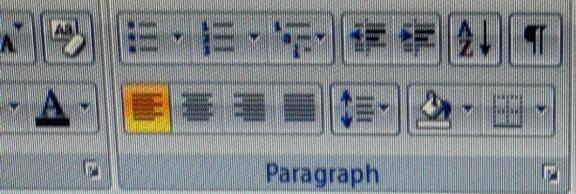
PART-A (5x1= 5)

ANSWER ALL THE QUESTIONS			
Q.No.	Question	Marks	CO
1.	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	2
2.	Express the number of entities to which another entity can be associated via a relationship set. a) Relation b) Mapping c) Cardinality d) Mapping Cardinality	1	2
3.	A set with primary key is called as _____ a) Strong entity set b) Relationship set c) Weak entity set d) Entity set	1	2
4.	Let us consider phone number which can take single or several values. Treating phone number as an _____ permits instructors to have several phone numbers (including zero) associated with them. a) Entity b) Attribute c) Relation d) Value	1	2
5.	In E-R diagram generalization is represented by a) Ellipse b) Dashed ellipse c) Rectangle d) Triangle	1	I
6.	In a banking database, a customer performs an operation and the operation is confirmed with _____ a) TCL b) DCL c) DML d) DDL	1	3
7.	Identify the output for the given sub query select studname, age from student where age=(select min(age) and max(age) from student where gender='Male'); a) Min age b) Max age c) Both min age and max age d) Syntax Error	1	3
8.	Which of the below operation is not set operation a) union b) set c) intersect d) except	1	3.5
9.	A view is _____ a) Relation b) Entity c) Virtual Relation d) Virtual Entity	1	3.4.1



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Styles

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
6.	In a banking database, a customer performs an operation and the operation is confirmed with a) TCL b) DCL c) DML d) DDL	1	3	1	3.4.1											
7.	Identify the output for the given sub query select studname, age from student where age=(select min(age) and max(age) from student where gender='Male'); a) Min age b) Max age c) Both min age and max age d) Syntax Error	1	3	1	3.5.1											
8.	Which of the below operation is not set operation. a) union b) set c) intersect d) except	1	3	1	3.5.1											
9.	A view is _____ a) Relation b) Entity c) Virtual Relation d) Virtual Entity	1	3	1	3.4.1											
10.	In PL/SQL, identify the loop controls a) If...Then, For b) While, If...else c) If...Then, do...while d) For, while	1	3	1	3.5.2											

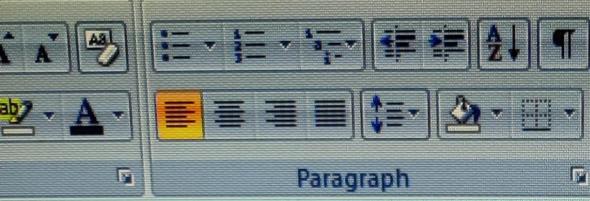
PART- B (2x4= 8) ANSWER ANY 4 QUESTION:

Q.No.	Question	Marks	CO	BL	PI
11.	Construct a E-R Diagram to for payroll processing system with tables with attributes, emp (eno number primary key, ename varchar(20), age number, addr varchar(20), DOB date, phno number(10) and salary (eno number, edesignation varchar(10), basic number, da number, hra number, pf number, mc number, met number, foreign key(eno) references emp).	4	1	2	3.5.2
12.	Highlight about i. Ternary relationship ii. Relationship set	4	2	2	3.6.1
13.	Outline on Generalization and Specialization with suitable examples	4	2	2	3.5.1
14.	Construct student database and write queries with DISTINCT, MAX, DATE, TRIM functions with examples	4	3	1	3.5.2
15.	Explain the various steps involved in Query Processing	4	3	1	3.6.1
16.	Describe on the views and materialized views with examples.	4	3	3	3.5.2



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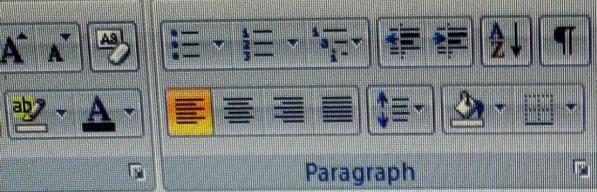
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PART- B (2x4= 8) ANSWER ANY 4 QUESTION:

PART- B (2x4= 8) ANSWER ANY 4 QUESTION:		Marks	CO	BL	PI
Q.No.	Question				
11.	Construct a E-R Diagram to for payroll processing system with tables with attributes, emp (eno number primary key, ename varchar(20), age number, addr varchar(20), DOB date, phno number(10) and salary (eno number, edesignation varchar(10), basic number, da number,hra number, pf number, mc number, met number, foreign key(eno) references emp).	4	2	2	3.5.2
12.	Highlight about i. Ternary relationship ii. Relationship set	4	2	2	3.6.1
13.	Outline on Generalization and Specialization with suitable examples	4	2	2	3.5.1
14.	Construct student database and write queries with DISTINCT, MAX, DATE, TRIM functions with examples	4	3	1	3.5.2
15.	Explain the various steps involved in Query Processing	4	3	1	3.6.1
16.	Describe on the views and materialized views with examples.	4	3	3	3.5.2





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Styles

1 · · · 1 · 1 · 2 · 1 · 3 · 1 · 4 · 1 · 5 · 1 · 6 · 1 · 7 · 1 · 8 · 1 · 9 · 1 · 10 · 1 · 11 · 1 · 12 · 1 · 13 · 1 · 14 · 1 · 15 · 1 · 16 · 1

PART- C (12x1= 12) ANSWER ALL QUESTION. EITHER OR CHOICE

Q.No.	Question	Marks	CO	BL	PI
17	<p>17) a) Consider the scenario: In a university, a Student enrolls in Courses. A student must be assigned to at least one or more Courses. Each course is taught by a single Professor. To maintain instruction quality, a Professor can deliver only one course. Find the List of entities. Identify the relationship among entities. Identify the cardinality. Identify the attributes. Construct an Entity Relationship diagram for the above scenario. [OR]</p> <p>17) b) Describe about the Mapping Cardinalities on entities using E – R Diagram and tables with attributes.</p>	12	2	3	3.5.2
18	<p>18) a) Illustrate in detail on the various constraints imposed on a placement database. [OR]</p> <p>18) b) Describe in detail on the various blocks in PL/SQL with Cursors and triggers.</p>	12	3	2	3.6.2

Outcome Alignment Matrix:

QUESTION NUMBER	CO1	CO2	CO3	CO4	CO5

Quality Matrix:	
Question	BL Distribution



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