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**Enrolment No:** 



## UNIVERSITY OF PETROLEUM AND ENERGY STUDIES **Online End Semester Examination, June 2021**

**Course: Data Management** 

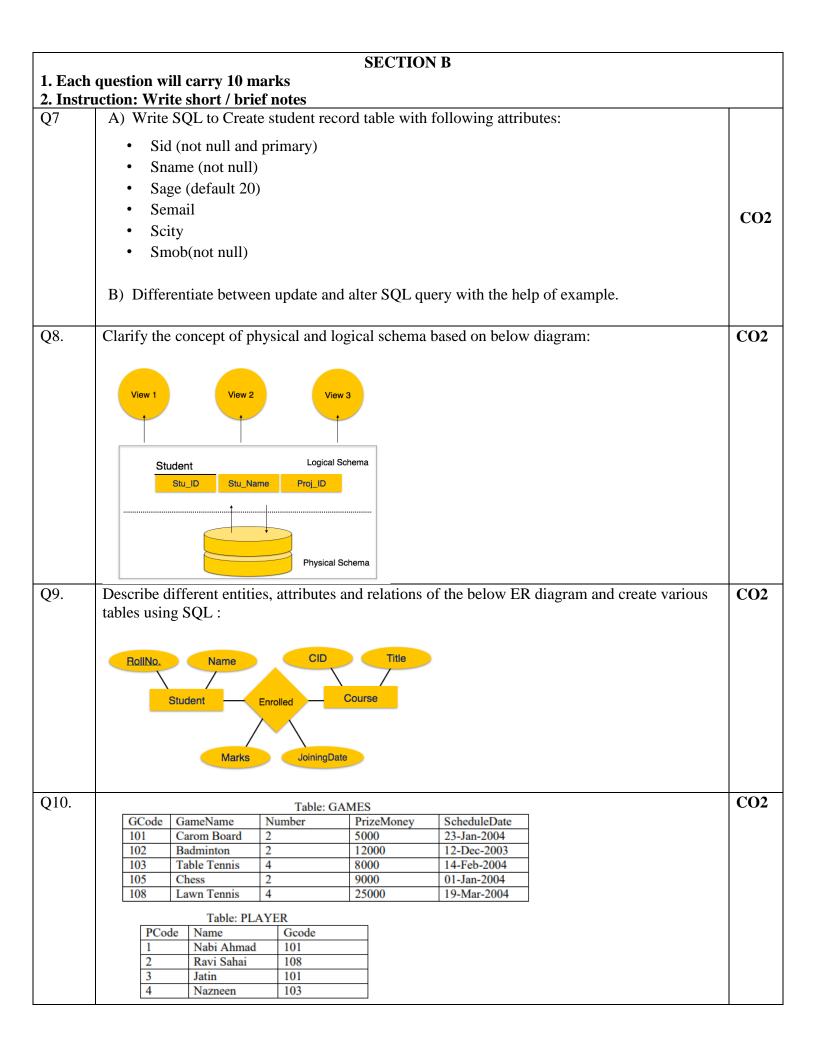
Program: MBA BA Course code: DSBA 7004 Semester: II Time: 03 hrs. Max. Marks: 100

### SECTION A

- Each Question will carry 5 Marks
   Instruction: Select/Write the correct answer(s) /

S. No.	Question	CC
Q1	Select correct option:	
	I. In an E-R diagram attributes are represented by	
	(A) rectangle.	
	(B) square.	
	(C) ellipse.	
	(D) triangle.	
	II. In case of entity integrity, the primary key may be	
	(A) not Null	
	(B) Null	
	(C) both Null & not Null.	
	(D) any value.	
	III. In an E-R diagram an entity set is represent by a	
	(A) rectangle.	CO
	(B) ellipse.	
	(C) diamond box.	
	(D) circle.	
	IV. Which SQL statement is used to delete data from a database?	
	(A) DELETE	
	(B) REMOVE	
	(C) COLLAPSE	
	V. Which SQL statement is used to insert new data in a database?	
	(A) ADD NEW	
	(B) INSERT NEW	
	(C) INSERT INTO	
	(D) ADD RECORD	

Q2	Assumi	ng below (	CUSTOM	IERS table.	Write	tollowin	g SQL o	ueries:		CO2
	++									
	++	+ amesh   32	2   Ahmedaba	d   2000.00						
		hilan   25 aushik   23		1500.00     2000.00						
	4   C	haitali   25		6500.00     8500.00						
	6   K	omal   22	MP   MP	4500.00     10000.00						
	7   Muffy   24   Indore   10000.00   									
	a)	a) Fetch ID, Name and Salary fields from the CUSTOMERS table for a customer with								
	name pattern start with Ko.									
	b) Fetch ID, Name and Salary fields from the CUSTOMERS table where salary is greater									
				less than 20						
					<i>J</i>					
Q3	Assumi	ng CUSTO	OMERS t	able of ques	stion 2.	Write fo	llowing	SQL queries:		
				to Pune for						CO2
	b)	DELETE a	a custome	er, whose A	ddress	is MP				CO <sub>2</sub>
Q4	Select o	orrect op	tion:							
	I How	can vou ch	ange "Ha	nsen" into '	'Nilser	n" in the	'I actNa	me" column in	the Persons table?	
	I. How can you change "Hansen" into "Nilsen" in the "LastName" column in the Persons table?								the reisons table.	
			A. UPDATE Persons SET LastName='Hansen' INTO LastName='Nilsen'							
		UPDATE	Persons	SET LastNa	ame='F	lansen' II	NTO La	stName='Nilse	n'	
	A.							stName='Nilse astName='Har		
	A. B.	UPDATE	Persons	SET LastNa	ame='N	Vilsen' W	HERE I		isen'	001
	A. B. C.	UPDATE MODIFY	Persons Persons	SET LastNa SET LastNa	ame='N ame='N	Vilsen' W Vilsen' W	HERE I HERE I	astName='Har	nsen' nsen'	CO1
	A. B. C. D.	UPDATE MODIFY MODIFY	Persons : Persons : Persons :	SET LastNa SET LastNa SET LastNa	ame='N ame='N ame='H	Vilsen' W Vilsen' W Vansen' II	HERE I HERE I NTO La	.astName='Har .astName='Har stName='Nilse	nsen' nsen' n	CO1
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	A. B. C. D. II. With A. B.	UPDATE MODIFY MODIFY SQL, how INSERT I	Persons de	SET LastNa SET LastNa SET LastNa insert "Olse sons ('Olse NTO Perso	ame='N ame='H ame='H en" as n') INT ns (Las	Vilsen' W Vilsen' W Hansen' II the "Last O LastN StName)	HERE I HERE I NTO La Name": ame	.astName='Har .astName='Har stName='Nilser n the "Persons	nsen' nsen' n	CO1
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#### A)Write SQL query for the following:

- (i) To display the name of all Games with their Gcodes.
- (ii) To display details of those games which are having PrizeMoney more than 7000.
- (iii) To display the content of the GAMES table in ascending order of ScheduleDate.
- (iv) To display sum of PrizeMoney for each of the Number of participation groupings

#### B)Write output of the following SQL query:

- (v) SELECT COUNT(DISTINCT Number) FROM GAMES;
- (vi) SELECT MAX(ScheduleDate),MIN(ScheduleDate) FROM GAMES;
- (vii) SELECT SUM(PrizeMoney) FROM GAMES;
- (viii) SELECT DISTINCT Gcode FROM PLAYER;

# Q11 Consider an **employee\_tbl** table, which is having the following records:

SQL> SELECT \* FROM employee tbl;

id	name	work date	daily typing pages
1	John	2007-01-24	250
2	Ram	2007-05-27	220
3	Jack	2007-05-06	170
3	Jack	2007-04-06	100
4	Jill	2007-04-06	220
5	Zara	2007-06-06	300
5	Zara	2007-02-06	350

A)Write output for the following SQL:

- i) SELECT COUNT(\*) FROM employee tbl WHERE name="Jack";
- ii) SELECT id, name, MAX(daily\_typing\_pages) FROM employee\_tbl GROUP BY name;
- iii) SELECT MIN(daily\_typing\_pages) least, MAX(daily\_typing\_pages) max FROM employee\_tbl;
- iv) SELECT SUM(daily typing pages) FROM employee tbl;
- B) Write SQL to display following output:
- i) To count the number of records for Zara
- ii) To fetch maximum value of daily\_typing\_pages
- iii) Find all the records with maximum value for each name
- iv) Calculate average of all the dialy\_typing\_pages
- v) To calculate square root of all the dialy\_typing\_pages

CO<sub>2</sub>

#### **Section C**

- 1. Each Question carries 20 (10X2) Marks.
- 2. Instruction: Write long answer.

Q12 On the bases of given tables answer the following questions:

ENO	ENAME	JOB	MGR	HIREDATE	SAL	СОММ	DEPT
7369	Sunita Sharma	CLERK	7902	1980-12-17	2800	NULL	20
7499	Ashok Singhal	SALESMAN	7698	1981-02-20	3600	300	30
7521	Rohit Rana	SALESMAN	7698	1981-02-22	5250	500	30
7566	Jyoti Lamba	MANAGER	7839	1981-04-02	4975	NULL	20
7654	Martin S.	SALESMAN	7698	1981-09-28	6250	1400	30
7698	Binod Goel	MANAGE	7839	1981-05-01	5850	NULL	30
7782	Cheten Gupta	MANAGER	7839	1981-06-09	2450	NULL	10
7788	Sudhir Rawat	ANALYST	7566	1987-04-19	5000	NULL	20
7839	Kavita Sharma	PRESIDENT	NULL	1981-11-17	5000	NULL	10
7844	Tushar Tiwari	SALESMAN	7698	1981-09-08	4500	0	30
7876	Anand Rathi	CLERK	7788	1987-05-23	6100	NULL	20
7900	Jagdeep Rana	CLERK	7698	1981-12-03	4950	NULL	30
7902	Sumit Vats	ANALYST	7566	1981-12-03	3500	3600	20
7934	Manoj Kaushik	CLERK	7782	1982-01-23	5300	NULL	10

Write the SQL query for the following:

- i. To list the employee name and his annual salary.
- ii. To list the unique jobs from the table.
- iii. To list the mgr which are in 7902, 7566, 7788.
- iv. To list Comm as 1000 which are NULL.
- v. To list all the columns in the ascending order of deptno and descending order of salary.
- vi. To display the employee name and job of employees hired between Feb 20, 1981 and May 1, 1981.
- vii. To list the name and salary of all the employees who earn more than 1200 and are in department 10 or 40.
- viii. To list all the employees who do not have manager.
- ix. To list name and salary of all employees who earn commissions.
- x. To list the names of all employees where the second letter of their name is an 'a'.

**CO3**