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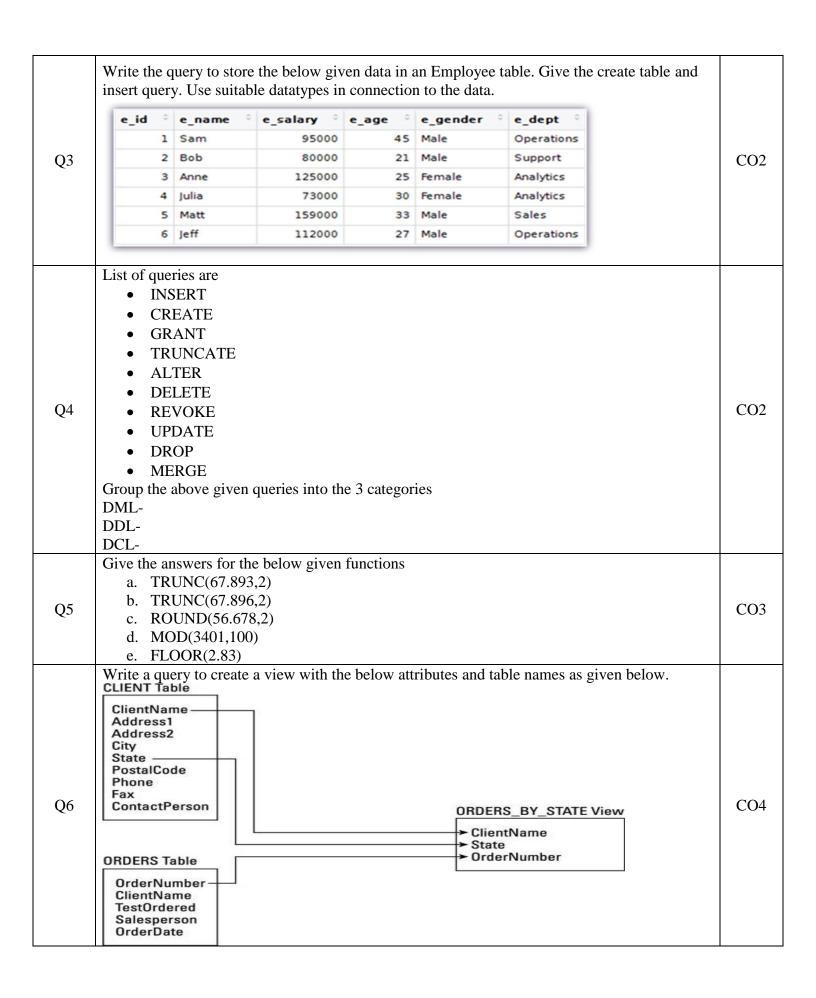
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES Online End Semester Examination, January 2021

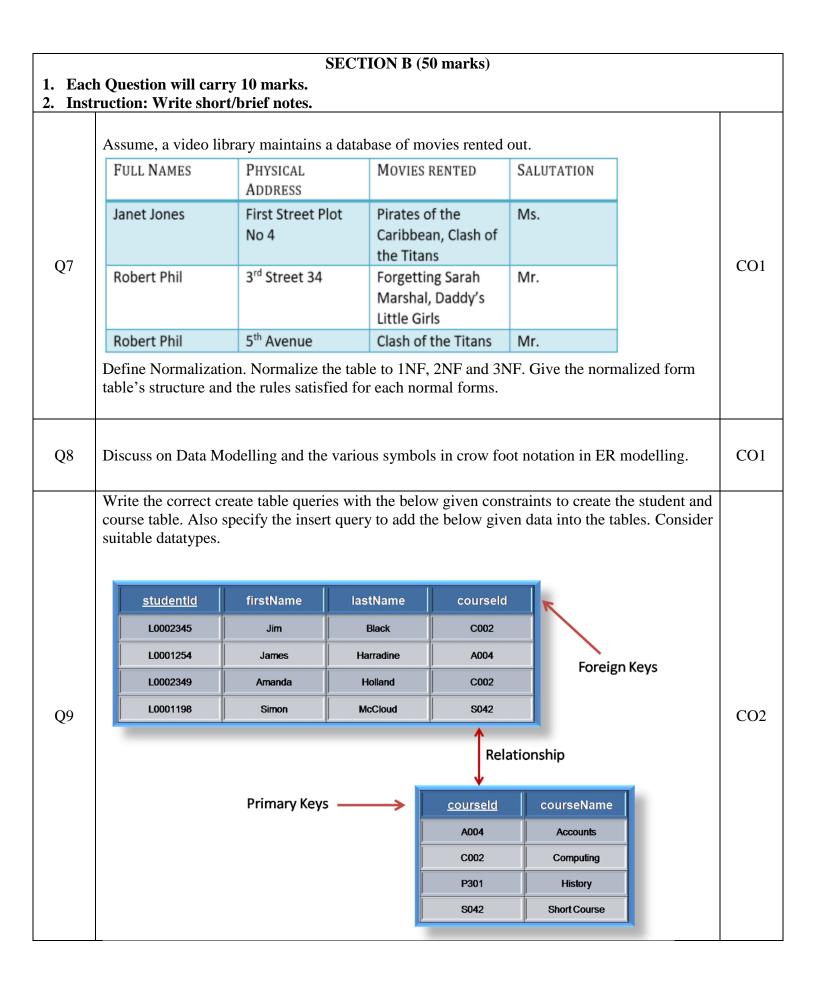
Course: Introduction to SQL Program: BCA – IOT / BFSI Course Code: CSBC1005 Semester: I Time: 3 hrs. Max. Marks: 100

SECTION A (30 marks)

- 1. Each Question will carry 5 marks.
- 2. Instruction: Complete the Statement/Select the correct answer(s)

S.No.	Question	CO
Q1	Expand a. DDL b. DML c. DCL d. DBMS e. 2NF	CO1
Q2	Give all the correct query options from the list below a. create table EMPLOYEES(empno number,name varchar2(50) not null,job varchar2(50),manager number, hiredate date,salary number(7,2),commission number(7,2),deptno number,constraint pk_employees primary key (empno),constraint fk_employees_deptno foreign key (deptno) references DEPARTMENTS (deptno)); b. create table EMPLOYEES(empno numbers,name varchar2(50) not null,job varchar2(50),manager numbers, hiredate date,salary numbers(7,2),deptno numbers,constraint pk_employees primary key (empno),constraint fk_employees_deptno foreign key (deptno) references DEPARTMENTS (deptno)); c. create table EMPLOYEE(empno number,name varchar2(50) not null,job varchar2(50),manager number, hiredate date,salary number(7,2),commission number(7,2),deptno number,constraint pk_employees primary key (empno),constraint fk_employees_deptno foreign key (deptno) references DEPARTMENTS (deptno)); d. insert into EMPLOYEES (empno, name, job, salary, deptno) values (4101,Sam Smith',Programmer',5000,4001); e. insert into EMPLOYEES (empno, name, job, salary, deptno) values (4101,Sam Smith,Programmer,5000,4001); f. create table student(ID char(4) primary key,Fname varchar2(10),deptID char(4)); g. create table student(ID char(4),Fname varchar2(10),deptID char(4),constraint primary key (ID),foreign key (deptID) references dept(deptID)); h. select dept_no,max(salary) from employess GROUP BY dept_no HAVING max(salary)>10000; i. select deptno,max(salary) from employess GROUP BY dept_no HAVING max(salary)>10000;	CO2





Q10	1 2 3 4 5 6 7 8 9 9	EMPLOYEE_ID FIRST_NAME 301 Rick 302 Meena 303 Mex 304 Alexandera 305 Bruk 306 Dravid 307 Raj 308 Rahul 309 Dany Find the highest, li Maximum, Minimearest whole nur	Dayle RDA Rac MR Haan MHA Runold ARI Ernst BEI Aust DAI Patil RPA Bose RBI Fav DFA	AYLE AC AAN UNOLD RNST UST ATIL OSE AV	RETIRED_DATE 18-MAR-10 21-SEP-11 13-JAN-10 03-JAN-11 21-MAY-10 25-JUN-09 05-FEB-12 17-AUG-12 16-AUG-11	AD_PRES AD_VP AD_VP IT_PROG IT_PROG IT_PROG IT_PROG IT_PROG FI_MGR	8000 11000 9500 7500 6000 4800 4800	124 149 149 124 149 124 149 124 201	90 90 80 60 60	
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Q10	9	308 Rahul 309 Dany Find the highest, l Maximum, Minin	Bose RBI Fav DF/	OSE AV	17-AUG-12	FI_MGR	4800	201		I
Q10	9	308 Rahul 309 Dany Find the highest, l Maximum, Minin	Fav DF,	AV				201	60	
QIO		Find the highest, Maximum, Minir	Fav DF,	AV	16-AUG-11		12008	124	100	CO3
		Find the highest, Maximum, Minir	lowest, sum,		20 110 0 22	FI_ACCOUNT	9000	101	100	LUS
	3. 4. 5.	Find the count of Find the count of Modify the query each job type.	employees w	vorki	ng in each o	departmer		average sala	ary for	
Q11	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	The HR department the same department employee). Create a report that employees who ear by salary. Write a query that ework in a department and job ID of all entered every employee in	t needs to dis nt as the emp displays the en more than displays the e ent with any e t needs a rep inployees whe HR that disp	splay oloyed the a emplo emplo ort the ose d lays	os the last nate whose nate oyee number oyee whose nate displays lepartment lepartment. (OR)	ame and home is Davoer, last nary. Sort the last name the last name location II	ire date of a ies (exclud ame, and sa ie results in name of all e contains to ame, depart of is 1700.	any employe ing that lary of all ascending of the letter "u." tment numb	order s who mer,	CO3

	SECTION-C (20 marks) n Question will carry 20 marks. ruction: Write long answer.	
	 a. Identify the various read-only set of in-built views in the Oracle database Data Dictionary? Discuss all the view of the items under it. (10 Marks) b. State the purpose of Sequence and give the syntax to create a sequence and use it. Explain with an example.(10 Marks) 	
Q12	 a. Define and list the advantages of using privileges in oracle? Discuss the types of privileges and using it with a sample query. (10 Marks) b. State the purpose of Synonym and give the syntax to create a synonym and use it. Explain with an example. (10 Marks) 	CO4