



4. (a) Write the coding for the following in respect to form given below : [5]
- (i) Write the code for CLEAR button to clear all the text boxes.
  - (ii) Write the code for FORM LOAD event so as to disable TxtDis and TxtNet textboxes and set default choice in the option button as Cash.
  - (iii) The CALCULATE button should calculate the discount and the net price on the basis of mode of payment selected. Discount at the rate of 20% for cash, 15% for Master, 10% for Visa, 5% for BOB is to be given. (Net Price = Shopping Amount – Discount)

- (b) Read the question below and answer accordingly. [3+1+1]

(i) Write a program to print the following	(ii) Find the error in the following program	(iii) Give the output of following program
<pre>1 1 2 1 2 3 1 2 3 4 1 2 3 4 5</pre>	<pre>Private Sub cmdPrint_Click() a = 2 for i = 2 to 10 step 2 a = a + 2 print a End Sub</pre>	<pre>Private Sub cmdoutput_Click() for i = 1 to 12 step 3 next i print i End Sub</pre>

5. (a) Differentiate between (i) POWER & SQRT (ii) ADD\_MONTHS & MONTHS\_BETWEEN [2]
- (b) What is the significance of GROUP BY clause? [1]
- (c) What is a FOREIGN KEY? How do you define a Foreign Key in your table? [2]
- (d) What is the use of UPDATE command? [1]
- (e) What is functionality of UNION & INTERSECT operator in multiple subqueries? [2]
- (f) What is the use of creating a VIEW? Explain with example. [2]

6. (a) Create table **Student** specifying the following constraint: [3]

Column Name	Rollno	Name	Gender	House	Fee
Type	Number(4)	Varchar2(30)	Varchar2(1)	Varchar2(10)	Number(4,2)

- Rollno should be declared as Primary Key.
- Fee must be greater than 3000.
- Name should not be left blank.
- M should be defined as default value for Gender.
- House should be either RED, GREEN, BLUE, YELLOW

- (b) Add the following data in the above table as stated below [3]

Rollno	Name	Gender	House	Fee
1	AMIT	M	RED	5000
2	SUNIL	M	BLUE	4000
3	PRIYANKA	F	RED	3000
4	SIDDHARTH			
5	SAMBHAVI	F		

- Insert into table with first record mentioning the column list in the insert clause.
  - Insert into table with next two records without mentioning the column list in the insert clause.
  - Insert into table with 4<sup>th</sup> record and enter only Rollno and Name.
  - Insert into table with 5<sup>th</sup> record and enter only Rollno, Name and Gender.
  - For record with Rollno = 4 update Gender, House and Fee as M, GREEN and 3500
  - For record with Rollno = 5 update House and Fee as BLUE and 5000.
- (c) Add a new column Mobile of type integer in Student table. [1]  
 (d) Increase the size of Name column to 40 characters. [1]  
 (e) Drop the Primary Key on the Rollno column of the Student table. [1]  
 (f) Delete all records of Student table. [½]  
 (g) Drop the Student table. [½]

7. Write the SQL commands for (a) to (g) based on Emp table and output for (h).

- Display the structure of the emp table. [1]
- List the employee number and name where job is manager. [1]
- List the employee details belonging to the department number 10, 30, and 40. [1]
- List the employee name and salary whose salary is not between 1000 and 2000. [1]
- List the names of all employees whose commission is NULL. [1]
- List the details of employees whose names are exactly 5 characters long. [1]
- List the employee name along with job with a hyphen inserted. (eg. SMITH-CLERK). [1]
- What will be the output of following query : [3]
  - Select INSTR ('AJMER', 'E') "Position" from dual;
  - Select SUBSTR ('MAYOOR SCHOOL', 2) "Substring" from dual;
  - Select Length ('TAARE ZAMEEN PAR') "Length" from dual;

**NOTE :** Consider the following field names with description of emp table for 7(a) to 7(g).

EMPNO	Employee number
ENAME	Employee name
JOB	Job
MGR	Manager
HIREDATE	Hire date
SAL	Salary
COMM	Commission
DEPTNO	Department number