**Class Test 11**

**PL/SQL**

**Part 01:**

1. Write a query that displays **Hello ADBMS Section B** usingtheconcept of literal.
2. Write a query that can add two numbers using the concept of inner block and outer block.
3. Write a query that can multiply three numbers using the concept of literal.
4. Write a query that stores **Hello World** in a variable and displays it in block letters.
5. Write a query that can subtract a smaller number from a larger number and display the result using the concept of variable.
6. There are four numbers given i.e. 12,14,16,18. Find out the average.
7. Write a query that displays the value of pi using the concept of constant.

**Part 02:**

*To solve the following use the scott schema*

1. Write a query that can display the name of the department which has department number 10.
2. Write a query that can display the name of the department in lower case which has department number 20.
3. Write a query that displays the incremented salary (sal+250) of employee Smith.
4. Write a query that displays the hiredate of employee KING.
5. Write a query that displays the sum of salary of all the employees.
6. Write a query that displays the salary and commission of employee Allen.
7. Write a query that displays only those employees who have *TT* (double T) in their name.

**Answer:**

Part 01:

1. **SELECT** 'Hello ADBMS Section B';

2.**DECLARE**

a NUMBER := 5;

b NUMBER := 10;

**c** NUMBER;

**BEGIN**

**c** := a + b;

DBMS\_OUTPUT.PUT\_LINE('The sum is ' || **c**);

**END**;

3.**SELECT** 2 \* 3 \* 4 **FROM** dual;

4.**DECLARE**

greeting VARCHAR2(20) := 'Hello World';

**BEGIN**

DBMS\_OUTPUT.PUT\_LINE(**UPPER**(greeting));

**END**;

5.**DECLARE**

num1 NUMBER := 10;

num2 NUMBER := 5;

**result** NUMBER;

**BEGIN**

IF num1 > num2 **THEN**

**result** := num1 - num2;

DBMS\_OUTPUT.PUT\_LINE('The result is ' || **result**);

**ELSE**

DBMS\_OUTPUT.PUT\_LINE('Cannot subtract smaller number from larger number.');

**END** IF;

**END**;

6.**SELECT** **AVG**(num) **AS** average

**FROM** (

**SELECT** 12 **AS** num **FROM** dual

**UNION** **ALL** **SELECT** 14 **FROM** dual

**UNION** **ALL** **SELECT** 16 **FROM** dual

**UNION** **ALL** **SELECT** 18 **FROM** dual

);

7.**SELECT** 3.14159265359 **AS** pi **FROM** dual;

Part 02:

1.**SELECT** dname

**FROM** department

**WHERE** deptno = 10;

2.**SELECT** **LOWER**(dname)

**FROM** department

**WHERE** deptno = 20;

3.**SELECT** sal+250

**FROM** employee

**WHERE** ename = 'Smith';

4.**SELECT** hiredate

**FROM** employee

**WHERE** ename = 'KING';

5.**SELECT** **SUM**(sal)

**FROM** employee;

6.**SELECT** sal, comm

**FROM** employee

**WHERE** ename = 'Allen';

7.**SELECT** ename

**FROM** employee

**WHERE** ename **LIKE** '%TT%';