1 Answer the following questions in short : 10

(1) Define RDBMS.
(2) State difference between %type and %rowtype.
(3) What is transaction ?
(4) Explain savepoint with example.
(5) List advantages of function.

2 Write answers for the followings : 12

(1) Write note on lock based protocol in concurrency control. 6

OR

(1) Explain how time stamp based protocol used in concurrency control. 6
(2) Give syntax and example for creating stored function. 4
(3) List predetermined internal pl/sql exception. 2
3 Write answers for the followings:

(1) Explain PL/SQL block structure also list its advantages over sql.

OR

(1) Write a trigger that will not allow to change attendance table data after office hours (9 am to 6 pm) from Monday to Friday. There is no restriction on viewing data.

(2) Explain syntax for creating and replacing trigger.

(3) Give example for fetching record from cursor.

4 Write answers for the followings: (any two)

(1) What is package? Why package used explain giving suitable example?

(2) Write a pl/sql code block that will accept an productno from user and deduct a quantity by 500 if after deduction quantity left more than 1000, otherwise display message “quantity is not enough”.

(3) Write detail note on TCL statements.