

SAKET GYANPEETH'S
SAKET COLLEGE OF ARTS,SCIENCE AND COMMERCE, KALYAN (EAST)
T.Y.B.SC (CS) SEMESTER VI PRELIMINARY EXAM MARCH 2018
SUBJECT: DATAMANAGEMENT USING PL/SQL-II

TIME : 2 1/2 HOURS MARKS : 75

NOTE: 1) ALL QUESTIONS ARE COMPULSORY.

2) DRAW NEAT LABELLED DIAGRAMS WHEREVER NECESSARY.

3) ALL QUESTIONS CARRY EQUAL MARKS.

Q1. Attempt any Three .[15]

- a) What is decomposition? Explain with example.
- b) Write a short note on Lossy-join decomposition.
- c) Define transaction. Explain ACID properties.
- d) Write a short note on serializability.
- e) Explain lock based concurrency control.
- f) Write a short note on join dependency and 5th normal form.

Q2. Attempt any Three .

[15]

- a) Define dead lock. Explain how to handle deadlock situation in PL/SQL.
- b) Write a short note on wait-die policy?
- c) Explain the Thomas write rule.
- d) Explain ARIES algorithm.
- e) Explain undo phase and undo algorithm.
- f) Explain Redo phase.

Q3. Attempt any Three .[15]

- a) Define package .Explain the advantage of package.
- b) Explain the component of package.
- c) How to create package body.Explain with example.
- d) Short note of Dynamic SQL.
- e) What are the process of creating and executing the dynamic SQL?
- f) Explain any 5 functions and procedures of SQL package.

Q4. Attempt any Three .

[15]

- a) Define trigger. Explain how to create trigger with example.
- b) Write a short note on statement and ROW level trigger?
- c) How to disable all the triggers on a table.Explain with example.
- d) Explain different types of file organization to organize file.
- e) Explain about tree based indexing.
- f) Write a short on index data structure.

Q5. Attempt any Three .

[15]

- a) Explain about importance of functional dependency.
- b) How to create and drop index in PL/SQL? Explain with example.
- c) Write a short note on dynamic hashing
- d) Explain about recoverable schedule.
- e) What is package specification? Explain with example
- f) Explain atomicity of locking and unlocking.

