

**PUNE VIDYARTHI GRIHA'S
COLLEGE OF SCIENCE AND TECHNOLOGY
(Affiliated to University of Mumbai)
S.Y.B.SC(Computer Science)-SEM III
SET-1**

QP code:USCS304

(Time:2 1/2hrs)

Marks:75

Subject: Advance Database Concepts

Date:25/10/23

N.B:-

1. All questions are compulsory.
2. Answers to the same question must be written together.
3. Numbers to the right indicate full marks.
4. Draw neat labeled diagrams wherever necessary.
5. Use of Non-programmable calculators are allowed.

Q1) Attempt the following (ANY4)

20

Explain Advantages of plsql

Explain Control statements with example

Explain loop statements

Explain expressions

Explain sequence

How to execute stored procedure

Q2) Attempt the following (ANY4)

20

1) Explain associative array

2) Explain Collection Constructors

3) What is multidimensional collection

4) What is record variable

5) Explain cursor

6) Explain declaring record constant

Q3) Attempt the following (ANY4)

20

1) Explain ACID properties

2) What is concurrency controls

3) Explain Lock managements

4) Explain the log-based recovery

5) What is check points

6) Explain write-ahead lock protocol

Q4) Attempt the following (ANY3)

15

1) What is redo and undo phases

2) Explain recovery from a system crash

3) Explain collection types defined in package specifications

4) Explain cursor

5) Explain dropping sequence

6) Explain variable declaration