



Tribhuvan University
Faculty of Humanities & Social Sciences
OFFICE OF THE DEAN
2024

Bachelor in Computer Applications
Course Title: Database Administration
Code No: CACS 405
Semester: VII

Full Marks: 60
Pass Marks: 24
Time: 3 hours

Candidates are required to answer the questions in their own words as far as possible.

Group B

Attempt any SIX questions.

[6×5 = 30]

2. Define data independence and its types. [1+4]
3. Define index? Why do we need index in databases? Explain Materialized Views with example. [1+2+4]
4. Explain oracle network component and communicating between databases. [5]
5. Define archive logs? How do you create different control files? Discuss. [1+4]
6. Describe how PDB is created from seed and by cloning a PDB or Non-CDB. [5]
7. How TNSPING is used to Test Oracle Net Connectivity? Explain oracle Net Services configuration process with Enterprise Manager. [1+4]
8. Define logical backup and physical backup. Explain the process of backup and recovery plan. [2+3]

Group C

Attempt any TWO questions.

[2×10 = 20]

9. Define access right. Explain oracle scheduler core components. Differentiate between event based schedule and time based schedule. [2+4+4]
10. Define backup, restore, recovery and explain recovery strategies used in oracle. How RMAN is configured? Explain backup and recovery process using RMAN and data dump utility with suitable example. [4+2+4]
11. Define role and privilege. How do you query role information? How do you manage user privileges and roles? Explain with suitable example. [3+2+5]