

Tribhuvan University
Institute of Science and Technology
2080

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Bachelor Level/Third Year/Sixth Semester/Science
Bachelors in Information Technology (BIT 352)
(Database Administration)

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

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Section A

Long Answer Questions

Attempt any TWO questions.

[2x10=20]

1. What do you mean by database management system? Mention the clear architecture of oracle database. [3+7]
2. Explain the term backup, restore and recovery in oracle database. Also explain the different backups and recovery process with example. [5+5]
3. What is the importance of privileges in database security? Explain about role in oracle datanase and write command to do following: [5+5]
 - a. Create role
 - b. Grant system and object privileges to role
 - c. Create user
 - d. Assign role to user
 - e. Drop role

Section B

Short Answer Questions

Attempt any EIGHT questions.

[8x5=40]

4. What are data files? How it is related with tablespace. Write a command to add a datafile in existing tablespace named “users”. [1+2+2]
5. What is SQL*PLUS? Also explain the functionalities of SQL*PLUS that the ORACLE DBA can use. [1+4]
6. Explain the term oracle RAC and oracle ASM. [5]
7. What is oracle data guard? Explain its importance in oracle database. [2+3]

8. Explain the term Database administrator (DBA) and describe the different roles of DBA. [1+4]
9. What is Job Scheduling in oracle database? How DBMS_ SCHEDULER Works? Explain the different component of scheduler. [1+1+3]
10. Explain the different oracle net service components. [5]
11. What is database auditing? Explain the standard auditing in oracle database. [1+4]
12. Explain how SQL tuning advisor can be used to tune your database. [5]