

B.C.A Semester - 4 (NEP-2020) Examination**March/April-2025****DBMS -2 (Major-10)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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| Que-1 | Answer the following questions (ANY 2) | (10) |
| | <ol style="list-style-type: none">1. What is SQL view? Explain creating and updating view.2. What is SQL snapshot? Explain its types.3. What is SQL sequence? Explain creating and using it.4. What is database link? Explain its importance. | |
| Que-2 | Answer the following questions (ANY 2) | (10) |
| | <ol style="list-style-type: none">1. What is PL/SQL Block structure? Explain it.2. What is Cursor? Explain its types.3. Explain Database triggers.4. Explain exception handling in PL/SQL. | |
| Que-3 | Answer the following questions (ANY 2) | (10) |
| | <ol style="list-style-type: none">1. What is Deadlock? How it can be avoided? Explain detection and prevention of it.2. What is Backup strategies? Explain it.3. What is Recovery techniques? Explain different recovery techniques.4. What is Lock? Explain different types of lock. | |
| Que-4 | Answer the following questions (ANY 2) | (10) |
| | <ol style="list-style-type: none">1. Explain different User Authentication techniques.2. Explain Access control at different levels like: Database, object, statement and row.3. Explain database monitoring.4. What is database auditing? Explain its importance. | |
| Que-5 | Answer the following questions (ANY 2) | (10) |
| | <ol style="list-style-type: none">1. Explain Advantages and Disadvantages of indexing.2. Explain %TYPE and %ROWTYPE.3. Explain: Data file, Redo log file, Control file and Archive file.4. Explain Database security threats and vulnerabilities. | |
