


RAN-2511000902022005
First Year Bachelor of Computer Applications (AI & DA) (Sem. - II)
Examination October - 2025
Major - 2 - 205 - 02 : Data Retrieval and Analysis (TH)
Time: 1 Hour]
[Total Marks: 25
સૂચના : / Instructions

(1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the above details on your answer book.

Seat No.:

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Student's Signature
Q. 1. Choose appropriate correct option. (Any 5)
(05)

- Which of the following SQL commands would you use to add a new column to an existing table?
 - ALTER TABLE
 - MODIFY TABLE
 - INSERT TABLE
 - ADD COLUMN
- Which Python library is primarily used for data manipulation and analysis?
 - Matplotlib
 - Pandas
 - Numpy
 - Seaborn
- Which of the following is NOT a type of join in SQL?
 - INNER JOIN
 - OUTER JOIN
 - CROSS JOIN
 - MIDDLE JOIN
- Which SQL keyword is used to define a Common Table Expression (CTE)?
 - WITH
 - CTE
 - COMMON
 - TEMP
- Which SQL function is commonly used to calculate cumulative sums in a query?
 - SUM()
 - AVG()
 - COUNT()
 - ROW_NUMBER()
- What does the EXPLAIN keyword do in SQL?
 - It executes the query
 - It shows the query execution plan
 - It filters the query results
 - It changes the table structure
- Which of the following SQL statements inserts data from one table into another?
 - UPDATE... SET
 - DELETE... WHERE
 - INSERT INTO... SELECT
 - SELECT

Q. 2. A. Write about CRUD(Create, Read, Update, Delete) commands in SQL.
(04)
OR
Q. 2. A. Explain Aggregate functions of SQL.
Q. 2. B. Explain Importing CSV file into table.
(04)
OR
Q. 2. B. Explain Exporting CSV file from table.

Q. 3. A. What is Join? Explain Inner Join with Example. **(04)**

OR

Q. 3. A. Explain Sorting of data in SQL.

Q. 3. B. Explain Nested SELECT Statement in SQL. **(04)**

OR

Q. 3. B. What is CTE? Explain in details.

Q. 4. A. Explain how to create and manage Index in SQL. **(04)**

OR

Q. 4. A. Explain INSERT INTO...SELECT advanced Data Manipulation.
