



RAN-2511000903022004 - C

S.Y.B.C.A. (NCF-NEP) (New) (Sem. - III) Examination December - 2025

Data Science And Analytics (Honours) (Paper - 304-07)

Major - 2 : Data Wrangling And EDA with Visualization (PR)

[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

SET - 9

Create dataset registration.csv containing the following columns:
[RegNo, Person_Name, Gender, Age, DOB, City, State, Reg_Date
Insert atleast 15 record related to query.

Q. 1. Create Data frame from registration.csv & perform the basic filtering and EDA operation. [10]

- 1) Rename "Person_Name" to PName.
- 2) Derive the column "Age" from "DOB" and "Reg_Month" from Reg_Date.
- 3) Display City wise total registered person.
- 4) Replace missing value of City to "Unknown"
- 5) Using Where(), display persons with Gender "Male"

Q. 2. Perform Visualization and other operation. [10]

- 1) Display monthwise registration count and plot line chart.
- 2) Create pivot table on city and Gender with the average of age.
- 3) Filter and display all registration from "Gujarat"
- 4) Apply one-hot encoding to the "State" Column.
- 5) Display the total registration group by "State"

Q. 3. Journal & Viva [05]