



RAN-2511000903022004 - D

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 - 10

Create dataset Employee_data.csv containing the following columns:

[Eno, Ename, Age, Dept, basic, DA]

Dept are "Purchase", "Sales", "Admin"

Insert atleast 15 record related to query.

Q. 1. Create dataframe from Employee_data.csv and Perform the basic filtering and EDA Operation. [10]

- 1) Replace all missing value in age with mean of age.
- 2) Rename "basic" to "basic_salary"
- 3) Create derive column "TotalSalary" (Basic_salary+DA)
- 4) Display "Total Salary" of dept "Purchase".
- 5) Display all employee records of dept "Admin"

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

- 1) Create a bar chart showing sum of Total Salary dept wise.
- 2) Filter and display average age of employee for sales dept.
- 3) Show total employee per dept.
- 4) Using histogram check skewness is exist or not in "TotalSalary" Column.
- 5) Using box plot check is there any outlier exist in "TotalSalary".

Q. 3. Journal & Viva [05]