

RAN-2308000601010002
F.Y.B.Com. (Data Science) (Semester-I) Examination April - 2026
Major - Introduction to Data Science
[Total Marks: 50]

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: Student's Signature
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Q-1. Answer in short. (Any 5) 10

- 1) Explain Data Literacy.
- 2) List out key data building blocks that are used for establishing a data driven culture?
- 3) Explain the term: KPI's.
- 4) What are the benefits of statistical Analysis.
- 5) Explain Central Tendency.
- 6) What are the importances of DDDM?
- 7) What is Model Evaluation?

Q-2. Write a short note. 10

- 1) Evolution of Data Science.
- 2) Write a note on Data Security Issues.

OR

- 1) What do you mean by Data Cleaning? Why it is needed in Data Science?
- 2) Explain Life Cycle of Data Science.

Q-3. Answer the following questions. 10

- 1) How to DMM work in E-commerce, Transportation and Finance?
- 2) What is the importance of Big Data in Data Science? Explain 3 V s of big data.

OR
Answer the following questions.

- 1) Write a note of Roles of Data Science.
- 2) How DDDM works in Transportation, Finance and Airline.

Q-4. Answer following questions. (Any 2) 10

- 1) What are Data Integration techniques? What are the challenges to it?
- 2) Write a note on Data Collection Strategies.
- 3) Write a note on Data Reduction and Data Transformation.

Q-5. Answer following questions. (Any 2)

10

- 1) What is ANOVA? Explain the types of ANOVA and its limitation.
 - 2) Short note: Types of Statistical Analysis.
 - 3) Explain Box Plot. How to create it?
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