

RAN-2308000601010002

F.Y.B.Com. (Data Science) (Sem. - I) Examination November - 2025
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

- Q.1. Answer in short. (Any 5) (10)**
- 1 List out the Data Science Components.
 - 2 What is data discretization?
 - 3 Explain Central Tendency.
 - 4 List out benefits of Data Cleaning.
 - 5 What is statistical Data analysis?
 - 6 Explain qualitative data.
 - 7 What are the importances of DDDM?
- Q.2. Write a short note. (10)**
- 1 Applications of Data Science in Commerce.
 - 2 Explain Life Cycle of Data Science.
- OR**
- 1 Evolution of Data Science.
 - 2 Pillars of Data Science.
- Q.3. Answer the following questions. (10)**
- 1 How do DMMM work in E-commerce, Transportation and Finance?
 - 2 Write a note of Roles of Data Science.
- OR**
- Answer the following questions.**
- 1 What is the importance of Big Data in Data Science? Explain 3 V s of big data.
 - 2 List 6 key building blocks that are used for establishing a data driven culture.
- Q.4. Answer following questions. (Any 2) (10)**
- 1 What do you mean by Data? What are the differences between qualitative and quantitative Data?
 - 2 What is kurtosis? Explain the types of kurtosis.
 - 3 What are Data Integration techniques? What are the challenges to it?
- Q.5. Answer following questions. (Any 2) (10)**
- 1 Short note: Types of Statistical Analysis.
 - 2 Write a note on Correlation types.
 - 3 Explain Root Mean square error and Mean Absolute error in detail.