

Total No. of Questions – [2]

Total No. of Printed Pages: 1

G.R. No.	
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PAPER CODE	U124-365
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March 2024 (INSEM) EXAM
F.Y.B. TECH. (SEMESTER - II)

COURSE NAME: Fundamentals of Data Science

COURSE CODE: CD12235

(PATTERN 2023)

Time: [40 min]

[Max. Marks: 20]

(*) Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) Use of scientific calculator is allowed
- 3) Use suitable data wherever required
- 4) Solve any two sub questions from Question 1 and 2

Question No.	Question Description	Marks	CO mapped	Blooms Taxonomy Level
Q.1	a) Explain the stages involved in the Data Science Life Cycle.	[5]	1	Understanding
	b) Illustrate how does Data Science contribute to data-driven decision-making in organizations?	[5]	1	Understanding
	c) Give examples of real-world scenarios where Data Science techniques have been effectively employed to solve problems.	[5]	1	Understanding
Q2	a) How does sentiment analysis contribute to the understanding of public opinion and consumer behavior?	[5]	2	Analysis
	b) Analyze how missing data, outliers, and transformations impact the quality of data and subsequent analysis?	[5]	2	Analysis
	c) Compare various data collection techniques such as surveys, interviews, and web scraping.	[5]	2	Analysis

