



# PRESIDENCY UNIVERSITY

BENGALURU

Roll No.														
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## Mid - Term Examinations – October 2025

Date: 08-10-2025

Time: 09.30am to 11.00am

<b>School:</b> SOIS	<b>Program:</b> BCA	
<b>Course Code:</b> CSA3007	<b>Course Name:</b> Data Analytics and Business Intelligence	
<b>Semester:</b> V	<b>Max Marks:</b> 50	<b>Weightage:</b> 25%

CO - Levels	C01	C02	C03	C04	C05
<b>Marks</b>	<b>24</b>	-	<b>26</b>		

### Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

### Part A

Answer ALL the Questions. Each question carries 2marks.

5Q x 2M=10M

1	Defne Data analysis	2 Marks	L2	C03
2	Enumerate the importance of data analysis	2 Marks	L2	C03
3	What are the features of Pandas library	2 Marks	L2	C03
4	Explain the reasons for data corruption	2 Marks	L1	C01
5	Explain Drop_duplicates ()	2 Marks	L1	C01

### Part B

Answer the Questions.

Total Marks 40M

6.	a.	Explain the benefits of data sampling	10 Marks	L2	C03
Or					
7.	a.	Explain the Challenges in data sampling	10 Marks	L2	C03

8.	a.	List and explain the types of data sampling	10 Marks	L2	C03
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<b>Or</b>					
<b>9.</b>	<b>a.</b>	Explain data analysis process	<b>10 Marks</b>	<b>L2</b>	<b>CO3</b>

<b>10.</b>	<b>a.</b>	Explain data cleaning techniques	<b>10 Marks</b>	<b>L1</b>	<b>CO1</b>
<b>Or</b>					
<b>11.</b>	<b>a.</b>	Explain outliers and its type	<b>10 Marks</b>	<b>L1</b>	<b>CO1</b>

<b>12.</b>	<b>a.</b>	How to use Boxplot and Histogram for finding outliers	<b>10 Marks</b>	<b>L1</b>	<b>CO1</b>
<b>Or</b>					
<b>13.</b>	<b>a.</b>	Explain mean and standard deviation technique for finding outliers	<b>10 Marks</b>	<b>L1</b>	<b>CO1</b>