



G H Raisoni College of Engineering and Management, Pune
 (An Empowered Autonomous Institute affiliated to Savitribai Phule, Pune University, NAAC Accredited "A+" Grade)

First Year B. Tech.

(TERM-I)

CAE I Winter 2025 (2023 Pattern)

Foundation of Data Analytics (23UESL1206)

(Time: - 01 Hour)

(Max. Marks:20)

Instructions to the students:

- i) All questions are compulsory. ii) Neat diagrams must be drawn wherever necessary.
- iii) Figures to the right indicate full marks. iv) Use of scientific calculator is allowed
- v) Assume suitable data, if necessary.

Question No	Question	Marks	CO	BL																
1]																				
a	Describe any five types of info graphic representation of data	5	CO1	2																
	OR																			
	A Dataset representing the number of hours spent preparing for exams by a group of students is given as follows : [9,13,7,18,16,12,21,25,6,24,20]																			
b	Calculate variance	5	CO1	2																
c	Distinguish between four types of data Analytics - Predictive, Descriptive, Prescriptive, and Diagnostic	5	CO1	2																
	OR																			
	Calculate standard deviation for following data																			
d	<table border="1" style="display: inline-table;"> <tr> <td>Range</td> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> </tr> <tr> <td>Frequency</td> <td>5</td> <td>15</td> <td>25</td> <td>30</td> </tr> </table>	Range	0-10	10-20	20-30	30-40	Frequency	5	15	25	30	5	CO1	3						
Range	0-10	10-20	20-30	30-40																
Frequency	5	15	25	30																
2]																				
a	Illustrate the difference between HTML table and Database table	5	CO2	2																
	OR																			
b	Explain left, right and mid functions in excel with suitable example	5	CO2	2																
c	Explain tags <table>, <tr>, <td>, <th>	5	CO2	2																
	OR																			
	Design following table using HTML table tags																			
d	<table border="1" style="display: inline-table;"> <tr> <th>RNO</th> <th>Name</th> <th>Mob No</th> <th>Email</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	RNO	Name	Mob No	Email													5	CO2	3
RNO	Name	Mob No	Email																	

Add sample data for each row

BL – Bloom’s Taxonomy Levels (1- Remember, 2- Understand, 3 – Apply, 4 – Analyze, 5 –Evaluate 6 - Create

Handwritten calculations:

$$\begin{array}{r} 9 \\ + 13 \\ + 1 \\ \hline 29 \end{array}$$

$$\begin{array}{r} 18 \\ 46 \\ + 12 \\ \hline 46 \end{array}$$

$$\begin{array}{r} 1 \\ 17 \\ 46 \\ + 29 \\ \hline 96 \end{array}$$