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**G H Raison College of Engineering and Management, Pune**

(An Empowered Autonomous Institute affiliated to Savitribai Phule, Pune University, NAAC Accredited "A" Grade)  
First Year B. Tech.

CAE I / Term II / AY 2025-26 (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.

Question No	Question	Marks	CO	BL										
Q.1 a)	Explain the Measures of Variation of a data set: Quartile, Variance, and Range.	5	CO1	L2										
<b>OR</b>														
Q.1 b)	Describe the Data Visualization and Infographics.	5	CO1	L2										
	Solve the Mean, Median and Mode for a given Grouped Dataset:	5												
Q.1 c)	<table border="1"><thead><tr><th>Income Range (in thousands)</th><th>Frequency</th></tr></thead><tbody><tr><td>30-40</td><td>7</td></tr><tr><td>40-50</td><td>12</td></tr><tr><td>50-60</td><td>5</td></tr><tr><td>60-70</td><td>8</td></tr></tbody></table>	Income Range (in thousands)	Frequency	30-40	7	40-50	12	50-60	5	60-70	8		CO1	L3
Income Range (in thousands)	Frequency													
30-40	7													
40-50	12													
50-60	5													
60-70	8													
<b>OR</b>														
Q.1 d)	Solve the Variance, Range and Quartile for a given Dataset: 19, 21, 20, 22, 23, 19, 20, 22, 21, 19.	5	CO1	L3										
Q.2 a)	Describe the importance of Data Preparation for Data Analytics.	5	CO2	L2										
<b>OR</b>														
Q.2 b)	Explain Website Table. Create a Website table using Scope attribute.	5	CO2	L2										
Q.2 c)	Explain the process of importing data from CSV and Excel files into a spreadsheet.	5	CO2	L2										
<b>OR</b>														
Q.2 d)	Describe the procedure for removing Duplicate Values in Excel.	5	CO2	L2										

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