

[Total No. of Question -02 ]

[Total No. of Pages - 1 ]



**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 II Winte2025 (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.

Q.No.	Question	Marks	CO	BL												
1	a) Calculate <u>SSR</u> , <u>SSE</u> and SST for the given linear regression equation $Y=10X - 8$	5	CO3	3												
	<table border="1"><tr><td>X</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>Y</td><td>3</td><td>6</td><td>9</td><td>12</td><td>15</td></tr></table>	X	1	2	3	4	5	Y	3	6	9	12	15			
X	1	2	3	4	5											
Y	3	6	9	12	15											
	<b>OR</b>															
	b) Compare Linear Regression and multiple linear regression	5	CO3	2												
	c) Explain Estimate and Estimator with suitable example	5	CO3	2												
	<b>OR</b>															
	d) State and explain standard error. Write difference between standard error and standard deviation	5	CO3	2												
2	a) Explain Pivot table and significance of pivot table.	5	CO4	2												
	<b>OR</b>															
	b) What is default function used when numeric data is placed in the values area , explain with suitable example	5	CO4	2												
	c) What are the different types of filtering? Explain briefly	5	CO4	2												
	<b>OR</b>															
	d) Explain how count function in pivot table will work on text data . Explain with suitable example	5	CO4	2												

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