



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

F. Y. B. Tech. (All)

(TERM- II)

CAE II - SUMMER 2025 (2023 Pattern)

Subject : 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
Q1. (a)	Calculate the standard deviation and z score of the ages of a population with the following ages: 10,20,30,40,50	[5]	CO3	L3
	OR			
(b)	Explain Central Limit theorem and characteristics. A distribution has a mean of 69 and a standard deviation of 420. Find the mean and standard deviation if a sample of 80 is drawn from the distribution.	[5]	CO3	L3
(c)	Illustrate the difference between Simple Linear Regression and Multiple Linear Regression.	[5]	CO3	L2
	OR			
(d)	Describe the properties of Normal distribution with diagrammatic representation of Normal distribution	[5]	CO3	L2
Q 2. (a)	Explain what a pivot table is and how it is used in data analysis	[5]	CO4	L3
	OR			
(b)	Explain, how can you use the % calculation function in a pivot table?	[5]	CO4	L3
(c)	List and explain the common aggregation functions used in pivot tables.	[5]	CO4	L1
	OR			
(d)	List Summary function and describe each function.	[5]	CO4	L1

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