

FIRST SEMESTER FYUGP EXAMINATION NOVEMBER 2025

(Regular/Improvement/Supplementary)

MINOR

STA1MN101: DESCRIPTIVE STATISTICS FOR DATA SCIENCE

Time: 2 Hrs.

Maximum Marks: 70

M – Mark BL - Bloom's Taxonomy Level (1 to 6) CO - Course Outcome

Section A: Answer all questions. Each carries 3 marks. Ceiling: 24 Marks											
No.	Question								M	BL	CO
1.	Define Qualitative and Quantitative data.								3	1	CO1
2.	Define secondary data. What are the sources of secondary data.								3	2	CO1 CO2
3.	Define frequency distribution. Explain different types of frequency distribution.								3	2	CO2
4.	What are ogives? Explain the method of constructing ogives.								3	4	CO3
5.	Find the combined mean from the following data.								3	4	CO4
		Series I			Series II						
		Arithmetic mean			20						
		No of items			50						
6.	A train covered the first 7km of its journey at a speed of 60km/hr and next 13 kms. at a speed of 75km/hr. Find the average speed of the train.								3	5	CO4
7.	Define measures of dispersion. What are the different measures of dispersion?								3	1	CO4
8.	Describe statistical regularity.								3	2	CO5
9.	In a box, there are 6 white balls, 5 green and 4 red balls. Out of them 3 are chosen at random. Find the chance that they all belong to different varieties.								3	5	CO5
10.	A problem in statistics is given to three students A , B and C where chances of solving it are $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ respectively. What is the probability that the problem will be solved?								3	6	CO5
Section B: Answer all questions. Each carries 6 marks. Ceiling: 36 Marks											
No.	Question								M	BL	CO
11.	Differentiate between primary data and secondary data. Explain the merits and demerits of each.								6	3	CO1 CO2
12.	Draw a frequency polygon for the following frequency distribution.								6	5	CO3
	class	0-10	10-20	20-30	30-40	40-50	50-60	60-70			
	Frequency	4	6	10	20	10	6	4			
13.	Compute arithmetic mean to the following data:								6	4	CO4
	Value	15	28	43	58	76	41				
	Frequency	16	10	8	7	6	3	(PTO)			

