

KRANTIGURU SHYAMJI KRUSHNA VERMA KACHCHH UNIVERSITY									
FACULTY OF SOCIAL SCIENCE AND HUMANITIES (DOE)									
Programme	Bachelor of Arts			Branch/Spec.	BA Statistics				
Semester	III (Three)			Version/Pattern	NEP 2020				
Effective from Academic Year	2023-24		Effective for the batch Admitted in	2025-26					
Subject Code	MDST - 301	Subject Name	BASICS OF STATISTICS						
Teaching scheme				Examination scheme (Marks)					
Per week	Lecture (DT)		Practical (Lab.)		Total	CE	SEE	Total	
	L	TU	P	TW					
Credit	4	-	-		4	Theory	50	50	100
Hours	4	-	-	-	4	Practical	-	-	-
Pre-requisites:									
❖ The learners should have basic understanding of data with minimal prior statistical knowledge.									
Learning Outcome:									
❖ After successfully completing this course, the student will have an enough understanding of sample, population and Various sampling methods. Learner will have basic knowledge of tool requires for analysing the probability and its distributions. Also students will be mentally well prepared to apply statistical reasoning and methodologies to relevant questions.									
Theory Syllabus									
Unit	Content							Hours	
1	Sampling Methods ➤ Meaning of Population and Sample. ➤ Population Inquiry and Sample Inquiry. ➤ Need of Sampling and Size of a Sample. ➤ Characteristics of a good Sample. ➤ Methods for Sampling. ➤ Simple Examples.							15	
2	Probability ➤ Introduction and Basic Terminology. ➤ Events and its Types. ➤ Mathematical Definition and Law of Addition. ➤ Conditional Probability and Law of Multiplication. ➤ Related Examples.							15	
3	Binomial Distribution ➤ Introduction. ➤ Properties and Uses. ➤ Related Examples.							15	
4	Poisson Distribution ➤ Introduction. ➤ Properties and Uses. ➤ Related Examples.							15	
Reference (APA Style)									
1	Business Statistics by J. K. Sharma, Pearson India Pvt Ltd, Chennai.								
2	Statistical Methods by S. P. Gupta, Sultan Chand & Sons, New Delhi.								
3	Business Statistics by S. C. Gupta, Himalaya Publishing House, Mumbai.								
4	Programmed Statistics by B. L. Agarwal, New Age Int. Publishers, New Delhi.								
5	Comprehensive Statistical Methods by Arora's, S. Chand & Co. Ltd, New Delhi.								

MODE OF EVALUATION:

Evaluation will be divided in two parts.

- Internal: Internal Evaluation of 50 marks will be decided by the department of colleges or Institutes as per the instruction given by the University from time to time.
- External: Semester end Examination will be conducted by the University for 50 Marks.

The Demonstrative Structure of the University Question Paper is as follows.

Question No.	Question Type	Unit	Marks
1	Short Questions: Attempt any 2 Questions out of 4 (5 marks for each)	I	10
2	Short Questions: Attempt any 2 Questions out of 4 (5 marks for each)	II	10
3	Short Questions: Attempt any 2 Questions out of 4 (5 marks for each)	III	10
4	Short Questions: Attempt any 2 Questions out of 4 (5 marks for each)	IV	10
5	Either Objective Type Questions: Like MCQ, True False, Fill in the blanks, Make matching, Definition, One-line answer etc. Attempt any 10 out of 12 (1 mark for each) Or Very Short Type Questions: Attempt any 5 out of 8 (2 mark for each)	I to IV	10
Total			50

The above Question paper format is only for demonstration not exhaustive. An examiner may modify this, as and when required.

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FACULTY OF SOCIAL SCIENCE AND HUMANITIES (DOE)									
Programme	Bachelor of Arts			Branch/Spec.	BA Statistics				
Semester	IV (Four)			Version/Pattern	NEP 2020				
Effective from Academic Year	2023-24			Effective for the batch Admitted in	2025-26				
Subject Code	MNST - 401	Subject Name	BASICS OF STATISTICS						
Teaching scheme				Examination scheme (Marks)					
Per week	Lecture (DT)		Practical (Lab.)		Total	CE	SEE	Total	
	L	TU	P	TW					
Credit	4	-	-		4	Theory	50	50	100
Hours	4	-	-	-	4	Practical	-	-	-
Pre-requisites:									
❖ The learners should have basic understanding of data with minimal prior statistical knowledge.									
Learning Outcome:									
❖ After successfully completing this course, the student will have basic knowledge of various measures of dispersion and skewness and will be able to analyse and interpret its results. Also the students should be well equipped to apply statistical reasoning and methodologies to the real life problems and contributes to evidence based practices in their respective fields.									
Theory Syllabus									
Unit	Content							Hours	
1	Measures of Dispersion							15	
	<ul style="list-style-type: none"> ➤ Meaning and Characteristics of Dispersion. ➤ Concept of Absolute and Relative Measures. ➤ Meaning, Advantages and Disadvantages of Range, Quartile Deviation, Average Deviation and Standard Deviation. ➤ Related Examples. 								
2	Measures of Skewness							15	
	<ul style="list-style-type: none"> ➤ Meaning and Types of Skewness. ➤ Concept of Absolute and Relative Measures. ➤ Obtaining Measures of Skewness and its Coefficients by Method of Karl Pearson and Bowley. ➤ Related Examples. 								
3	Permutation							15	
	<ul style="list-style-type: none"> ➤ Meaning and Formula. ➤ Permutations of Different Things. ➤ Permutations of Similar Things. ➤ Circular Permutation. ➤ Related Examples. 								
4	Combination							15	
	<ul style="list-style-type: none"> ➤ Meaning and Formula. ➤ Combination of things taken some or all at a time. ➤ Some Restricted Combinations. ➤ Related Examples. 								
Reference (APA Style)									
1	Mathematics by Jaggi & Mathur, Sultan Chand & Sons, New Delhi.								
2	Business Statistics by J. K. Sharma, Pearson India Pvt Ltd, Chennai.								
3	Statistical Methods by S. P. Gupta, Sultan Chand & Sons, New Delhi.								
4	Programmed Statistics by B. L. Agarwal, New Age Int. Publishers, New Delhi.								
5	Business Mathematics & Statistics by Saha & Sarkar, Himalaya Publishing House, Mumbai.								

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Total			50

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