



Aggarwal College Ballabgarh

LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: Dr.Renu Bala

Designation/ Department: Assistant Professor (Mathematics)

CLASS: B.Sc. Math (H)

SEMESTER: 4th

SECTION:

SUBJECT: Elementary Inference

Week		
1	7-1-2025	Introduction to Elementary Inference and syllabus
	8-1-2025	Parameter and statistic
	9-1-2025	sampling distribution
	10-1-2025	Examples on sampling distribution
	11-1-2025	Standard Error
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	Estimation and its types
	14-1-2025	Point and interval estimation
	15-1-2025	Examples on Estimation
	16-1-2025	More Examples
	17-1-2025	More Examples
	18-1-2025	Doubt class
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	Unbiasedness
	21-1-2025	Unbiasedness Related Examples
	22-1-2025	More Examples

	23-1-2025	Contd.
	24-1-2025	Efficiency
	25-1-2025	Examples related to Efficiency
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	Consistency and Sufficiency
	28-1-2025	Theorems related to Consistency
	29-1-2025	Theorems related to Sufficiency
	30-1-2025	Examples on Consistency
	31-1-2025	Sufficiency related examples
	1-2-2025	Doubt class
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Method of maximum likelihood estimation.
	4-2-2025	Related Theorems
	5-2-2025	Examples on Method of maximum likelihood estimation.
	6-2-2025	More Examples
	7-2-2025	Hypothesis and its need
	8-2-2025	Null and alternative hypotheses
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	Simple and composite hypotheses
	11-2-2025	Critical region
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	Level of significance
	14-2-2025	One tailed and two tailed tests
	15-2-2025	Group discussion

	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	Types of Errors
	18-2-2025	Applications of Test of Hypothesis
	19-2-2025	Test of Hypothesis about Population Means
	20-2-2025	Related Examples
	21-2-2025	Test of Hypothesis about Population S.D'S.
	22-2-2025	Examples
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Test of Hypothesis about Population Proportions
	25-2-2025	Related Examples
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	Doubt Session
	28-2-2025	Neyman-Pearson Lemma
	1-3-2025	Contd.
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Test
	4-3-2025	Definition of Chi-square statistic
	5-3-2025	Chi-square test for population Proportion
	6-3-2025	Related Examples
	7-3-2025	Chi-square tests for goodness of fit
	8-3-2025	Contd.
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	Condition for using the Chi square test
	11-3-2025	Related Examples

	12-3-2025	Chi-square tests for independence of attributes
	13-3-2025	Examples on independence of attributes
	14-3-2025	Definition of Student's t test
	15-3-2025	Application of t test
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	Snedcor's F-statistics
	18-3-2025	Testing for the mean and variance of univariate normal distribution
	19-3-2025	Related Examples
	20-3-2025	More Examples
	21-3-2025	Discuss the F- test for testing the equality of two sample variances
	22-3-2025	Discuss the usefulness of F-test
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Test
	25-3-2025	Testing of equality of two means
	26-3-2025	Testing of equality of two variance of two univariate normal distribution
	27-3-2025	Contd.
	28-3-2025	More examples
	29-3-2025	Doubt Class
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	Related confidence intervals of two univariate normal distribution
	2-4-2025	Contd.
	3-4-2025	Analysis of variance(ANOVA) for one-way
	4-4-2025	Related Examples

	5-4-2025	Presentation
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	Examples related to ANOVA
	8-4-2025	More important examples
	9-4-2025	Analysis of variance(ANOVA) for two-way
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	Related examples
	12-4-2025	Examples related to ANOVA for two -way
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	More examples
	16-4-2025	Difference between one- and two-way ANOVA
	17-4-2025	Assignment
	18-4-2025	Discussion on important Questions
	19-4-2025	Test
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Fisher's Z transformation
	22-4-2025	Test the significance of difference between two values
	23-4-2025	Test the significance of correlation from a sample.
	24-4-2025	Test whether r differs from some hypothetical value of population correlation coefficient
	25-4-2025	Related Examples
	26-4-2025	Contd.
	27-4-2025	S. U. N. D. A. Y.

17	28-4-2025	Doubt class
	29-4-2025	Discussion of previous year question papers
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	Discussion of previous year question papers
	02-05-2025	Discussion of previous year question papers
	03-05-2025	Discussion of previous year question papers
	04-05-2025	S. U. N. D. A. Y.

Signature