

Koyana Education Society, Patan
BALASAHEB DESAI COLEGE, PATAN
DEPARTMENT OF STATISTICS


Academic Year 2023-2024
Monthly Teaching Plan
Semester I

Subject: Statistics
Paper No.: I and II (Theory)

Class: B.Sc. I
Month: September

Date	Unit and Subunits	Teaching method and Aids
01/09/2023	Paper II : Unit 1.1: Sample space and events	Teaching method Lecture, Inductive Deductive Review lesson Problem Solving Drill-lesson Analytic Teaching Aids Compute LCD PPT Google Classroom YouTube
02/09/2023	Experiment and Random experiment	
04/09/2023	Types of Sample space	
05/09/2023	Types of Events, Algebra of Events	
07/09/2023	Power Set and Symbolic representation	
08/09/2023	Unit 1.2 Probability: Equally likely events and apriori definition	
09/09/2023	Basic Problems on probability	
11/09/2023	Axiomatic definition	
12/09/2023	Proof of the results : $P(\Phi) = 0$	
14/09/2023	Proof of the results : $P(A^C) = 1 - P(A)$	
15/09/2023	Proof of the results : Addition law and generalization	
16/09/2023	Proof of the results : Multiplication law	
25/09/2023	Proof of the results: $0 \leq P(A \cap B) \leq P(A) \leq P(A \cup B) \leq P(A) + P(B).$	
26/09/2023	Proof of the results : If $A \subseteq B$, $P(A) \leq P(B)$,	
30/09/2023	Problems	

No. of periods / Lectures					Action Taken
Planned	Missed	Extra taken	Actual taken	Syllabus Remaining	
15	01	01	015	00 lecture	Completed as per plan


DEPARTMENT OF STATISTICS
Balasahed Desai College, Patan,
Tal. Patan, Dist. Satara

Koyana Education Society, Patan
BALASAHEB DESAI COLEGE, PATAN
DEPARTMENT OF STATISTICS

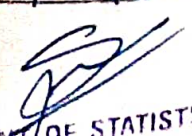
Academic Year 2023-2024
Monthly Teaching Plan
Semester III

Subject: Statistics
Paper No.: V and VI (Theory)

Class: B.Sc. II
Month: September

Date	Unit and Subunits	Teaching method
01/09/2023	1.1 Multiple Linear Regression (for trivariate data only): Concept of multiple linear regression.	Teaching method Lecture, Inductive Deductive Review lesson Problem Solving Drill-lesson Analytic Teaching Aids Compute LCD PPT Google Classroom YouTube
02/09/2023	Plane of regression, Yule's notation	
04/09/2023	Fitting of regression plane by method of least squares	
05/09/2023	Correlation matrix, Partial regression coefficients and their interpretation.	
06/09/2023	Residual: definition, order,	
07/09/2023	Properties of residual	
08/09/2023	Derivation of mean and variance	
09/09/2023	Covariance between residuals	
11/09/2023	Residual plot.	
12/09/2023	Problems	
13/09/2023	1.2 Multiple and Partial Correlation: Concept of multiple correlations.	
14/09/2023	Definition of multiple correlation coefficient, derivation of formula for multiple correlation coefficient.	
15/09/2023	Properties of multiple correlation coefficient	
16/09/2023	Properties of multiple correlation coefficient	
25/09/2023	coefficient of multiple determination	
26/09/2023	Concept of partial correlation.	
27/09/2023	Definition of partial correlation coefficient, derivation of formula for partial correlation coefficient	
27/09/2023 (Extra)	Properties of partial correlation coefficient	
30/09/2023	Properties of partial correlation coefficient	
30/09/2023 (Extra)	Examples and problems	

No. of periods / Lectures					Action Taken
Planed	Missed	Extra taken	Actual taken	Syllabus Remaining	
20	01	01	20	00 lecture	Completed as per plan


DEPARTMENT OF STATISTICS
Balasahed Desai College, Patan,
Tal. Patan, Dist. Satara