

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

Academic Year 2023-2024
Monthly Teaching Plan
Semester II

Subject: Statistics
Paper No.: III and IV (Theory)

Class: B.Sc. I
Month: January

Date	Unit and Subunits	Teaching method and Aids
01/01/2024	Yule's coefficient of association and colligation	Teaching method Lecture, Inductive Deductive Review lesson Problem Solving Drill-lesson Analytic
02/01/2024	Relation between Q and Y, Correlation Coefficients: Point Biserial Correlation Coefficient	
04/01/2024	Phi and Tetrachoric Correlation Coefficient, examples.	
05/01/2024	Unit 2.2 : Demography : Introduction,	
06/01/2024	Vital events and need of vital statistics	
08/01/2024	Measures of fertility: CBR, ASFR, GFR, TFR	
09/01/2024	Measures of reproduction : GRR, NRR	
11/01/2024	Measures of mortality: CDR, SDR STDR	
12/01/2024	Population projection at time t	
13/01/2024	Life Table - construction and its applications in insurance	
15/01/2024	Use and Applications	Teaching Aids Compute LCD PPT Google Classroom YouTube
16/01/2024	Paper IV : Unit 1.1 : Bivariate Discrete Distribution Definition of bivariate discrete random variable (X, Y),	
18/01/2024	Joint p.m.f. and problems on it	
19/01/2024	Problems	
20/01/2024	c.d.f., Properties of c.d.f.,	
23/01/2024	Problems on c.d.f.	
25/01/2024	Marginal p.m.f. and problems on it	
27/01/2024	Conditional p.m.f. and problems on it	
29/01/2024	Independence of r.v.s and problems on it	
30/01/2024	Examples	

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

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**Academic Year 2023-2024
Monthly Teaching Plan
Semester IV**

Subject: Statistics

Paper No.: VII and VIII (Theory)

Class: B.Sc. II

Month: January

Date	Unit and Subunits	Teaching method and Aids
01/01/2024	Moving averages method,	Teaching method Lecture, Inductive Deductive Review lesson Problem Solving Drill-lesson Analytic
02/01/2024	Illustration of Moving averages method	
03/01/2024	Progressive average method and Illustration	
04/01/2024	Least square method	
05/01/2024	Illustration of Least square method	
06/01/2024	Measurement of seasonal indices by simple average method.	
08/01/2024	Utility of time series	
09/01/2024	Unit 1.2: Statistical Quality Control : Meaning and purpose	
10/01/2024	Process control and Product control	
11/01/2024	Chance causes and Assignable causes	
12/01/2024	Shewhart's control chart	
13/01/2024	Lack of control situation.	
15/01/2024	Control charts for variables – mean and range charts	Teaching Aids Compute LCD PPT Google Classroom YouTube
16/01/2024	Construction of mean charts	
17/01/2024	Construction of range charts	
18/01/2024	Revised control limits	
19/01/2024	Defects, defectives, fraction defective,	
20/01/2024	Control charts for Attributes p-chart	
23/01/2024	Control charts for Attributes C-chart.	
24/01/2024	Paper VII : Probability distribution II Unit 1.1 : Normal distribution : Definition	
25/01/2024	Properties of normal curve	
27/01/2024	Mean and variance of Normal distribution	
29/01/2024	Median and mean deviation of Normal distribution	
30/01/2024	Mode of Normal distribution	
31/01/2024	m.g.f. and c.g.f. of Normal distribution	

No. of periods / Lectures					Action Taken
Planned	Missed	Extra taken	Actual taken	Syllabus Remaining	
25	00	00	25	00 lecture	Completed as per plan -

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