

**Koyana Education Society, Patan
BALASAHB 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: October**

Date	Unit and Subunits	Teaching method and Aids
03/10/2023	Unit 2.1 Conditional Probability and Independence of events: Definition and Examples	Teaching method Lecture, Inductive Deductive Review lesson Problem Solving Drill-lesson Analytic Teaching Aids Compute LCD PPT Google Classroom YouTube
05/10/2023	Concept of independence of two events.	
07/10/2023	Proof of the theorems on independence	
09/10/2023	Pairwise and Mutual independence for three events and examples	
10/10/2023	Baye's theorem, illustrative examples	
12/10/2023	Unit 2.2 : Univariate Probability Distributions: Introduction and Discrete random variable	
13/10/2023	p.m.f. of r.v. and p.m.f. of function of r.v.	
14/10/2023	c.d.f., Properties of c.d.f.,	
16/10/2023	median of a univariate discrete probability distribution	
17/10/2023	Mode of a univariate discrete probability distribution	
19/10/2023	Problems	
20/10/2023	Unit 2.3 : Mathematical expectation: Expectation of a r. v. and their function	
21/10/2023	Results on expectation	
23/10/2023	Mean , Variance	
26/10/2023	raw, central moments	
27/10/2023	p.g.f and properties	
28/10/2023	Problems	

No. of periods / Lectures					Action Taken
Planed	Missed	Extra taken	Actual taken	Syllabus Remaining	
17	03	03	17	00 lecture	Completed as per plan

Koyana Education Society, Patan
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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: October

Date	Unit and Subunits	Teaching method
03/10/2023	Unit 2.2: 1.1 Index Numbers (12) Meaning and utility of index numbers	Teaching method
04/10/2023	Problems in construction of index numbers	Lecture,
05/10/2023	Types of index numbers: price, quantity and value.	Inductive
07/10/2023	Index numbers by using (i) aggregate method, (ii) average of price or quantity relative method (A.M. or G.M.)	Deductive
09/10/2023	Index numbers by using; Laspeyres, Paasche's, and Fishers formula.	Review lesson
10/10/2023	Comparison of Laspeyres, Paasche's, and Fishers I. N.	Problem Solving
11/10/2023	Relation between Laspeyres, Paasche's, and Fishers I.N.	Drill-lesson
12/10/2023	Tests of index numbers: Unit test, time reversal test and factor reversal tests.	Analytic
13/10/2023	Problems on test	Teaching Aids
14/10/2023	Cost of living index number: definition and construction	Compute
16/10/2023	Purchasing power of money	LCD
17/10/2023	Problems	PPT
18/10/2023	2.2 National Income (12) Definitions of national income by (a) Marshall, (b) Pigou and (c) Fisher.	Google Classroom
19/10/2023	Gross national product (GNP), Net national product (NNP)	YouTube
20/10/2023	Personal income, disposable income, per capita income	
21/10/2023	Gross domestic product (GDP),	
23/10/2023	National income at market price, at current prices	
25/10/2023	National income at factor cost and at constant prices	
26/10/2023	Methods of estimation of national income	
27/10/2023	Difficulties in methods: output method, income method,	
28/10/2023	Difficulties in methods : expenditure method,	
30/10/2023	Importance of national income.	
31/10/2023	Problems on national income.	

No. of periods / Lectures					Action Taken
Planned	Missed	Extra taken	Actual taken	Syllabus Remaining	
23	04	04	23	00 lecture	Completed as per plan


DEPARTMENT OF STATISTICS
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