

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE):

NAME OF THE COLLEGE: Mrs. AVN DEGREE COLLEGE, VISAKHAPATNAM

Name of the Department: STATISTICS

Name of the Lecturer: P. Gandhi

Lecturer in: Statistics

Class: 2<sup>ND</sup> YEAR  
BSC-SEM-IV

Year: 2023 - 2024

Paper: V (APPLIED STATISTICS)

Sno	Month	Week	Hours available	Syllabus topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity				Remarks	
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date		
1	O C T O B E R	1 week	4	UNIT-1 TIME SERIES: TIME SERIES AND ITS COMPONENTS WITH ILLUSTRATIONS, ADDITIVE, MULTIPLICATIVE MODELS.	BASIC CONCEPT					ASSIGNMENT	1	YES			
2		2 week	4	TREND: ESTIMATION OF TREND BY FREE HAND CURVE METHOD, METHOD OF SEMI AVERAGES.	THEOREM EXPLANATION	SEMINAR	1	YES							
3		3 week	4												
4		4 week	4	DETERMINATION OF TREND BY LEAST SQUARES(LINEAR TREND, PARABOLIC TREND ONLY), MOVING AVERAGES METHOD	CONCEPT AND PROBLEM-S EXPLANATION					SEMINAR	1	YES			

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1	NOVEMBER	1 week	4	UNIT-II SEASONAL COMPONENT: DETERMINATION OF SEASONAL INDICES BY SIMPLE AVERAGES METHOD	BASIC CONCEPT					ASSIGNMENT	1	YES		
2		2 week	4	RATIO TO MOVING AVERAGE,	THEOREM EXPLANATION	SEMINAR	1	YES						
3		3 week	4	RATIO TO TREND AND LINK RELATIVE METHODS, DESEASONALIZATION	PROBLEMS SOLVING	PROVING THE THEOREMS	1	YES						
4		4 week	4	UNIT-III GROWTH CURVES : MODIFIED EXPONENTIAL CURVE, LOGISTIC CURVE AND GROMPERTZ CURVE	CONCEPT AND PROBLEMS EXPLANATION					SEMINAR	1	YES		

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1	D E C E M B E R	1 week	4	FITTING OF GROWTH CURVES BY THE METHOD OF THREE SELECTED POINTS AND PARTIAL SUMS.	BASIC CONCEPT					ASSIGNMENT	1	YES		
2		2 week	4	DETRENDING. EFFECT OF ELIMINATION OF TREND ON OTHER COMPONENTS OF THE TIME SERIES	THEOREM EXPLANATION	SEMINAR	1	YES						
3		3 week	4	UNIT-IV INDEX NUMBERS: CONCEPT, CONSTRUCTION, PROBLEMS INVOLVED IN THE CONSTRUCTION OF INDEX NUMBER, USES AND LIMITATIONS.	PROBLEMS SOLVING	PROVING THE THEOREMS	1	YES						
4		4 week	4	SIMPLE AND WEIGHTED INDEX NUMBERS. LASPAYER'S, PAASCHE'S AND FISHER'S INDEX NUMBERS	CONCEPT AND PROBLEMS EXPLANATION					QUIZ	1	YES		

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1	J A N U A R Y	1 week	4	CRITERION OF A GOOD INDEX NUMBER, FISHER'S IDEAL INDEX NUMBERS. COST OF LIVING INDEX NUMBER AND WHOLESALE PRICE INDEX NUMBER	BASIC CONCEPT					ASSIGNMENT	1	YES			
2		2 week	4	UNIT -V VITAL STATISTICS: INTRODUCTION, DEFINITION AND USES OF VITAL STATISTICS, SOURCES OF VITAL STATISTICS.	THEOREM EXPLANATION	SEMINAR	1	YES							
3		3 week													
4		4 week	4	MEASURE OF DIFFERENT MORTALITY AND FERTILITY RATES, MEASUREMENT OF POPULATION GROWTH.	CONCEPT AND PROBLEMS EXPLANATION					QUIZ	1	YES			

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1	F E B R U A R Y	1 week	4	LIFE TABLES: CONSTRUCTION AND USES OF LIFE TABLES.	BASIC CONCEPT					ASSIGNMENT	1	YES			
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3		3 week													
4		4 week													

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