

Department of Mathematics (Commerce)

Academic Calendar and Academic Plan

1st Semester General Course (July 2018 - Dec 2018)

Name of the paper	Module or Unit No	Topic	Name of the teacher	To be Completed during the month and year	No of PPT classes	Continuous Internal Assessment in which month			
GE1.1 Chg STATISTICS	II	<u>Fundamentals:</u> Definition of Statistics Scope and limitation of	SKP	July	x	July			
		Method of data collection Tabulation of data		Aug		Aug			
		Frequency distribution Diagrammatic presentation of frequency distribution		Sept		Sept			
		<u>Measures of Central Tendency</u> Meaning of central tendency Common	RC	July		July			
		Partition values & applications of different measures		Aug		Aug			
		Measures of Dispersion		Aug & Sept		Sept			
		Moments, Skewness and Interpolation		Sept, Oct & Nov		Nov			
			Sept, Oct & Nov						
		Course Outcome	After successful completion of this course, students will be able to: <ul style="list-style-type: none"> •Organize, manage and represent the data. •Analyze the data graphically using frequency distribution. •Analyze the data using Central tendency, dispersion, moments, skewness, kurtosis & interpolation. 						

3rd Semester General Course (July 2019 - Dec 2019)

Name of the paper	Module or Unit No	Topic	Name of the teacher	To be Completed during the month and year	No of PPT classes	Continuous Internal Assessment in which month
GE3.3 Chg BUSINESS MATHEMATICS & STATISTICS	I	Permutations and Combinations	RC	Sept	x	Nov
		Set Theory		July		Sept
		Binomial Theorem		Aug		
		Logarithm		July		
		Compound Interest and Annuities		Oct & Nov		Nov
	II	Correlation and Association	SKP	July	x	Sept
		Regression Analysis		Aug		Nov
		Index Numbers		Aug		
		Time Series Analysis		Sept		
		Probability Theory		Oct & Nov		
Course Outcome	After successful completion of this course, students will be able to: <ul style="list-style-type: none"> •Define set, inclusive, element, object and roster notation. Different types of sets with law of the algebra of sets and their applications. •Distinguish the similarities and differences between permutations and combinations. •Identify binomial coefficients given the formula for a combination and expand a binomial using binomial theorem. •Define properties of logarithms and use them to solve equations. •Apply the principles of simple interest and compound interest to solve relevant problems in financial applications. •Impart knowledge about statistical tools and its applications. •Build skills for statistical inference of business data. 					

5th Semester Hons. Course (July 2019 - Dec 2019)

Name of the paper	Module or Unit No	Topic	Name of the teacher	To be Completed during the month and year	No of PPT classes	Continuous Internal Assessment in which month
DSE 5.1 A ADVANCED BUSINESS MATHEMATICS	II	Functions, Limit and Continuity	SKP	July	x	Nov
		Differentiation	SKP	Aug		
		Integration	RC	Sept		
		Application of Derivative	SKP	Oct & Nov		
		Application of Integration	RC	Oct & Nov		
		Determinants	RC	July		
		Matrix	RC	Aug		
Course Outcome	After successful completion of this course, students will be able to: <ul style="list-style-type: none"> •The basic idea of functions, its various characters, the ideas of derivative & integration and their applications. •Provide a definition of matrix and determinant , their different properties and operations. •Relate a matrix to a system of linear equations. •Solve a system of equations by Matrix inversion method and Cramer's rule 					