Department of Mathematics. Bethune College.

PO & CO of Mathematics, UG, OLD

Name of		Status	Programme	Course outcome		
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Progr am me	Intro d uctio n	impleme nt ation in CBCS		Course Code	Course Name	Course Outcome
		Curricul um (YES/N O)				
B.Sc. Mathema tics (Hons)	2010	NO	1. Students will be entirely equipped with the knowledge of all the branches of Mathematics	MODULE I	CLASSICAL ALGEBRA MODERN	To acquaint students with the basic knowledge of classical algebra and modern algebra
					ALGEBRA	
			2,This programme will provide a very strong	MODULE II	Analytical Geometry of Two Dimensions	This topic will help t the students to improve their basic conception of the said subjects.
			foundation in Mathematics		Analytical Geometry of Three Dimensions	
			3.Students would have a strong understanding of using mathematical			
			equation in Algebra and Calculus	MODULE III		This is the foundation knowledge of real analysis
			4.Students will be equipped with		Evaluation of Integrals	
				MODULE IV	Linear Algebra Vector Calculus I	. This topic will help t the students to improve their basic conception of the
			can be applied in both academic and non-			said subjects
			academic areas of work.	MODULE V	Modern Algebra II Linear Programming and Game Theory	TLinear programming provides a method to optimize operations within certain constraints. It is used to make process efficient and cost effective. Some areas of application for linear programming include food and agriculture,

5.Students will have placements scopes in academic areas include jobs as teaching faculties in schools,	VI	Analysis II Differential Equations I	It introduces for basic knowledge of the said topic such that they can apply it in mathematical methods o f physical problems
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MODULE VII	Real-Valued Functions of Several Real Variables	To provide students with detailed understanding in real numbers, sequences and sub-sequences along with idea of convergence of infinite series It introduces for basic
	Application of Calculus	knowledge of the said topic such that they can apply it in mathematical methods o f physical problems
MODULE VIII	Analytical Geometry of Three Dimensions II : Analytical Statics I Analytical	To acquaint students with the basic knowledge of GEOMETRY and STATICS AND DYNAMICS OF PARTICLE
MODULE	Dynamics of A Particle I	To provide students with
IX	Analysis III	detailed understanding in real numbers, sequences and subsequences along with idea of convergence of infinite series
MODUL E X	Linear Algebra Modern Algebra II	Students will get to know about the application of ISBN, ISSN, credit card no. etc. and do solutions of system of equations with the help of rank of matrix.
	Tensor Calculus Differential Equation II	
MODULE	Vector calculus II	Understand thr
ΧI	Analytical Statics II	mathematical and physical foundations of
	Analytical Dynamics of A Particle II	mechanics

MODULE XII	Rigid Dynamics	To construct the mathematical modeling of many physical phenomenon
MODULE XIII	Analysis IV Metric Space Complex Analysis	In mathematics, a metric space is a set where a distance is defined between elements of a set. Metric space method have been employed for decades in various application, for example in internet search engines, image classifications etc
MODULE	Probability Statistics	Application of probability theory in everyday life is reliability and in business it used in the calculation of long term gains and losses

				Numerical Analysis Computer Programming	Student can know that it is used for computer science for root finding Also they can know that it is used for multi dimensional root finding
		MODULE XVI	Practical (50 marks	Students can learn the write of programe in C language and can apply it for solution of algebraic, transcendental and ordinary and partial diff equation	

Prof. Pratap Chandra Ray

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DEPT OF MATHEMATICS,

Bethune College