

DEPARTMENT OF MATHEMATICS
BARPATHAR COLLEGE

Program Outcomes, Program Specific Outcomes and Course Outcomes

Program Outcome	After successful completion of three years B.Sc/ B.A. program in Mathematics a student will have a good understanding of major concepts in all disciplines of Mathematics.	
Program Specific Outcome	After successful completion of the program students will be able <ul style="list-style-type: none"> • To develop patience and perseverance when solving critical problems and logical reasoning. • To improve the mathematical skills in a practical way. • To enhance the critical thinking ability of the students. • To transmit mathematics ideas both orally and in practically. • To inculcate interest among students to participate in seminars, workshops, conferences etc. • To develop their reasoning abilities. • To enable the students to demonstrate the various concepts of Mathematics from both pure and applied branches of Mathematics. • To understand the historical and contemporary role of Mathematics and be able to place the discipline properly in the context of other human intellectual achievement. • To know how and when to use technology in higher Mathematics. 	
Course Outcome	Course Outcomes of Choice Based Credit System (CBCS)	
	Course	Outcomes
	GE-1.1 Differential Calculus	After going through this course the students will be able to <ul style="list-style-type: none"> • differentiate functions • find tangent normal, curvature, asymptotes etc
	GE-2.1 Differential Equation	After going through this course the students will be able to describe various methods for solving differential equations
	GE-3.1 Real Analysis	After going through this course the students will be able to <ul style="list-style-type: none"> • analyse the properties of the number line • describe various analytical properties of the real number system

	GE-4.1 Algebra	After going through this course the students will be able to <ul style="list-style-type: none">• describe various algebraic structures onsets• identify the algebraic structures present in different branches of Sciences
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