Department of Mathematics
Course Outcomes

Class	Course	*After completion of these courses students will be able to;*
B.Sc. I	**B.Sc.I Paper – I&II** **Mathematics**	1. Study the concepts of limits, continuity, and differentiability of functions of two variables. 2. Study matrix theory which acts as powerful tool in almost all branches of social and Physical Sciences. 3. Determine the position of a point in the plane. Under stand the three dimensional analogue of the circle. 4. Solve maxima and minima of functions of two and three variables. Measure the error for functions of two or more variables and study three different differential operators Gradient, Divergence and Curl.
B.Sc. I	**B.Sc.I Paper III &IV** **Mathematics**	1. Develop ability of solving differential equations of higher order namely Linear equation of n^{th} order. 2. Study of partial differential Equations, elimination of arbitrary constants and arbitrary functions. 3. Discuss the most general method Charpit's , for solving first order partial differential equation. 4. Understand the necessary conditions for integrability of total differential equation and method of solving it.

B.Sc. II	**B.Sc.II Paper – V &VI** **Mathematics**	1. Developability to solve the linear differential equations with variable Coefficients. Learn few methods of solving certain types of linear differential Equations of the second order. 2. Explain two important functions, known as Beta and Gamma Functions. Discuss the elementary properties of this function. 3. Study properties of divisibility of integers. 4. Explain Graph Theory which plays an important role several areas of Computer Science.
B.Sc. II	**B.Sc.II Paper – VII &VIII** **Mathematics**	1. Understand the concept of limit and shall discuss types of discontinuity. 2. Explain two important functions, known as Beta and Gamma Functions. Discuss the elementary properties of this function. 3. Study properties of divisibility of integers. 4. Explain Graph Theory which plays an important role several areas of Computer Science. 5. Study thee different Differential operators Gradient, Divergence and Curl.

Prof. Dr. N. D. Patil Mahavidyalay ★ Malkapur ★

PRINCIPAL
Prof. Dr. N. D. Patil Mahavidyalaya
Malkapur, Dist. Kolhapur