



ADIKAVI NANNAYA UNIVERSITY
RAJAMAHENDRAVARAM
B.Sc Mathematics Syllabus 2020-21 A.Y
DIFFERENTIAL EQUATIONS
Semester-I

Course Outcomes:

After successful completion of this course, the student will be able to;

- Solve linear differential equations
- Convert non exact homogeneous equations to exact differential equations by using integrating factors
- Know the methods of finding solutions of differential equations of the first order but not of the first Degree.
- Solve higher-order linear differential equations, both homogeneous and non homogeneous, with constant coefficients.
- Understand the concept and apply appropriate methods for solving differential equations