COURSE LEARNING OUTCOMES
DEPARTMENT: Mathematics, Malda College

COURSE TITLE: Applications

After successful completion of the course, Students will be able to:

1. Understand The geometrical interpretation of the differential coefficient
2. Find the angle between the intersection of two curves
3. The length of tangent, Normal and sub-tangent, sub-normal
4. Determine the radius of curvature, centre of curvature, circle of curvature and chord of curvature, Evolute and Involute
5. Understand the concept of Envelope of one parameter family of curves in rectangular cartesian co-ordinate system, Singular points, Ordinary points, Characteristics points.
6. Understand the concavity, Convexity and point of inflexion, Pedal equation and pedal Curve, Singular points
7. Understand the concept of Rectilinear Asymptotes, tracing of a Curve
8. Determine the area of the region enclosed by plane curves, volumes of solids of revolution, area of surfaces of revolution.