

# List of Motion in a Plane Topics in TG EAMCET 2025

Name of the topic	Name of the sub-topic
Motion in a Plane	Introduction
	Scalars and vectors
	Position and Displacement Vectors
	Equality of Vectors
	Multiplication of vectors by real numbers
	Addition and subtraction of vectors - graphical method
	Resolution of vectors
	Vector addition - analytical method
	Motion in a plane
	Position Vector and Displacement
	Velocity
	Acceleration
	Motion in a plane with constant acceleration
	Relative velocity in two dimensions
	Projectile motion
	Equation of path of a projectile
	Time of Maximum height
	Maximum height of a projectile
	Horizontal range of projectile
	Uniform circular motion