

Curriculum Plan for 2025 ODD SEM

Prof. Seema Gupta

Ist year GE Mechanics

No. Of period: 1

TOPICS	No. OF LECTURES	MONTH WISE SCHEDULE	Tutorial/Assignment/presentation
Review of Newton laws of motion, Dynamics of a system of particles, Centre of mass	4	August	Numericals
Centre of mass for continuous and discrete systems having spherical symmetry, Conservation of momentum and energy, Work energy theorem	4	September	Numericals
Conservative and non conservative forces, Force as a gradient of potential energy, Newton law of gravitation	3	October	Assignment, Numericals
Motion of a particle in a central force field, kepler laws, satellite in circular orbit and applications, Geosynchronous orbits	4	November	Numericals