

SUMMARY OF LESSON PLANS OF COLLEGE FACULTY

Name of College :G. V. M Girls College **Academic Session:** 2017-18 **Semester :**odd
For the month of July - November 2017

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>Subject</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organized</i>	<i>Topic of Assignments/Tests to be given to the students</i>
1.	<u>SUNITA ARORA</u>	Mechanics B.Sc I (section A & B)	July:-Rotation of rigid body , moment of inertia, torque, angular momentum, kinetic energy of rotation, theorem of parallel and perpendicular axes with proof.	Discussion	Assignment - torque, theorem of perpendicular and parallel axis with proof
2.			August:- moment of inertia of different bodies, acceleration of a body rolling down on an inclined plane. <i>Numerical problems</i>	Seminar- Moment of inertia of bodies of different shapes	Class test:- Moment of Inertia Assignment :- mechanics of single

NOTE:-Lesson plan is same for section A & B.

			Mechanics of single and system of particles, conservation laws of linear momentum, angular momentum and mechanical energy.		and system of particles
3.			September :- center of mass and equation of motion, constrained motion, degrees of freedom, generalised coordinates	Group discussion	Assignment :- center of mass, constrained motion Test:- constraints and degrees of freedom
4.			October :- Generalised coordinates, displacement, velocity, acceleration, momentum, force and potential, Hamilton's variational principle	Seminar:- Generalised coordinates and discussion	Assignment :- Hamilton's principle Test : - Generalised coordinates

NOTE:-Lesson plan is same for section A & B.

5.			<i>November :- Lagrange's equation of motion from Hamilton's Principle, Linear Harmonic Oscillator, Simple Pendulum, Atwood's machine</i>	Seminar:- Lagrange's equation of motion and it's application Group discussion on Hamilton's principle	Assignment:- linear Harmonic oscillator, Atwood's machine Revision

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