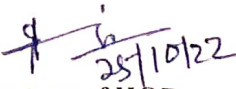


LESSON PLAN

DISCIPLINE: MATH & SCIENCE	SEMESTER: FIRST	NAME OF THE TEACHING FACULTY: TAPASWINEE PATNAIK, LECT. (PHYSICS)
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SUBJECT: ENGG. PHYSICS	NO. OF CLASSES ALLOTTED PER WEEK	SEMESTER FROM 25/10/2022 TO 20/02/2023
WEEK	CLASSDAY	THEORY
1ST	1 ST	Work- Formula & SI units.
	2 ND	Friction – Concept. Types of friction (static, dynamic), Limiting Friction
2ND	1 ST	Laws of Limiting Friction
	2 ND	Coefficient of Friction , Numericals.Methods to reduce friction.
3RD	1 ST	Numericals, Class Note Checking
	2 ND	Newton’s Laws of Gravitation, Universal Gravitational Constant
4TH	1 ST	Acceleration due to gravity ,Concept of mass and weight.
	2 ND	Relation between g and G.Variation of g with altitude and depth
5TH	1 ST	Kepler’s Laws of Planetary Motion
	2 ND	Numericals, Class Note & Assignment Checking
6TH	1 ST	Oscillations,Simple Harmonic Motion (SHM)
	2 ND	Expression for displacement, velocity, acceleration of a particle in SHM.
7TH	1 ST	Wave motion, Transverse and Longitudinal wave
	2 ND	wave parameters & their relations
8TH	1 ST	Ultrasonics Properties & Applications.
	2 ND	NUMERICALS
9TH	1 ST	Heat and Temperature
	2 ND	Specific Heat Capacity
10TH	1 ST	Thermal Expansion
	2 ND	Coefficient of linear, superficial and cubical expansions of Solids & their Relation
11TH	1 ST	Work and Heat, Joule’s Mechanical Equivalent of Heat
	2 ND	First Law of Thermodynamics
12TH	1 ST	Change of state ,Latent Heat
	2 ND	NUMERICALS
13TH	1 ST	Reflection & Refraction
	2 ND	Refractive index, Refraction through Prism (Ray Diagram)
14TH	1 ST	Critical Angle and Total internal reflection
	2 ND	Fiber Optics & Numericals
15TH	1 ST	LASER -Properties & Applications
	2 ND	Principle of LASER


 Signature of Faculty


 Signature of HOD