

KALAM INSTITUTE OF TECHNOLOGY(P), BERHAMPUR

LESSON PLAN

DISCIPLINE: MATH
AND SCIENCE

SEMESTER: 1st

NAME OF THE TEACHING FACULTY: **Mr. JAGABANDHU GOUDA**
(Lecturer in English)

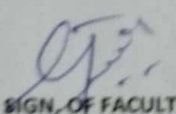
SUBJECT:
COMMUNICATIVE
ENGLISH
Th.1a.

NO. OF DAY / WEEK/
CLASS ALLOTTED: 04

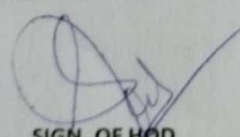
SEMESTER FROM DATE: 16-08-2023 TO DATE: 11-12-2023
BRANCH-MECHANICAL ENGG. (SEC-A)
NO. OF WEEKS: 16

WEEKS	CLASS DAYS	DATE	UNIT	THEORY	REMARK
1st	1st	16-08-2023		INTRODUCTION	
	2nd	17-08-2023	1.1	Skimming the gist & scanning for necessary information	
	3rd	19-08-2023	1.1	Close reading for inference and evaluation & Guessing the meaning of un-familiar words	
2nd	1st	21-08-2023	1.1	Supplying a suitable title & Note- Making, Summarizing	
	2nd	23-08-2023	2	Uses of synonyms, antonyms	
	3rd	24-08-2023	2	Uses of Homonyms	
	4th	26-08-2023	2	Single word substitute	
3rd	1st	28-08-2023	1.1	Reading Practice (Standing up for yourself)	
	2nd	31-08-2023	1.1	Comprehensive test and Question and Answer Discussion	
	3rd	02-09-2023	1.1	Comprehensive test and Question and Answer Discussion	
4th	1st	04-09-2023	3	Application of English Grammar Introduction of Parts of Speech	
	2nd	07-09-2023	3	Uses of Countable and Uncountable Noun	
	3rd	09-09-2023	3	Uses of Article, Uses of Determiners	
5th	1st	11-09-2023	4	Formal Writing Skills Paragraph writing (Meaning, features, developing ideas into paragraphs)	
	2nd	13-09-2023	4	Notice Writing, Agenda	
	3rd	14-09-2023	1.2	Literature Appreciation Text-The Magic of Teamwork (Reading Comprehension)	
	4th	16-09-2023	1.2	Text-The Magic of Teamwork (Reading Comprehension)	
6th	1st	18-09-2023	5	Elements of Communication Introduction to Communication (Meaning, Definition and Concept and communication)	
	2nd	21-09-2023	5	Good Communication and Bad Communication	
	3rd	23-09-2023	5	Communication Model (One way and two way Communication)	
			5	Communication Model (One way and two way Communication)	
7th	1st	25-09-2023	5	Process of Communication and Factors responsible for it (sender, message, channel, receiver/Audience, Feedback, Noise, Context)	
	2nd	27-09-2023	5	Process of Communication and Factors responsible for it (sender, message, channel, receiver/Audience, Feedback, Noise, Context)	
	3rd	30-09-2023	5	Professional Communication Meaning and types of Professional Communication	
			5	Upward, Downward, Parallel Communication	
8th	1st	04-10-2023	1.2	Text (Inchcape Rock)	
	2nd	05-10-2023	1.2	Text (Inchcape Rock)	
	3rd	07-10-2023	1.2	Text (To My True Friend)	
			1.2	Text (To My True Friend)	

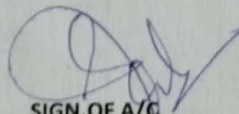
9th	1st	09-10-2023	3	<u>Application of English Grammar</u> Uses of Modal Verbs	Q
	2nd	11-10-2023	3	<u>Application of English Grammar</u> Uses of Modal Verbs	Q
	3rd	12-10-2023	3	Tense Pattern	Q
			3	Tense Pattern	Q
10th	1st	16-10-2023	3	Correct uses of Tense Pattern, Note Verification	Q
	2nd	18-10-2023	4	<u>Report Writing</u> Format of a Report, Reporting an event/News	Q
			4	Format of a Report, Reporting an event/News	Q
	3rd	19-10-2023	4	<u>Letter Writing</u> Personal Letters	Q
11th	1st	30-10-2023	4	Personal Letters	Q
	2nd	01-11-2023	4	Personal Letters	Q
	3rd	02-11-2023	4	Letter to Principal, Librarian, HOD, Hostel Superintendent	Q
	4th	04-11-2023	4	Letter to Principal, Librarian, HOD, Hostel Superintendent	Q
12th	1st	06-11-2023	5	Informal Communication	Q
	2nd	08-11-2023	5	Non-Verbal Communication (Meaning and Types of Communication)	Q
	3rd	09-11-2023	5	Kinesics or Body Language, Postures and Gestures, Facial Expression and Eye Contact	Q
	4th	11-11-2023	5	Kinesics or Body Language, Postures and Gestures, Facial Expression and Eye Contact	Q
13th	1st	13-11-2023	5	Proxemics or Spatial language (Private space, Personal space, Social space, Public space), Note Verification	Q
	2nd	15-11-2023	5	Proxemics or Spatial language (Private space, Personal space, Social space, Public space), Note Verification	Q
	3rd	16-11-2023	5	Language of Sign and symbols, (Audio sign and visual sign in every day life with merits and demerits)	Q
	4th	18-11-2023	5	Language of Sign and symbols, (Audio sign and visual sign in every day life with merits and demerits)	Q
14th	1st	20-11-2023	4	<u>Writing Business letters</u> Layout of Business letters (Enquiry, placing an order)	Q
	2nd	22-11-2023	4	Letter for Order Placement	Q
	3rd	23-11-2023	4	Execution of an order, Complaint, Cancellation of an order, Assignment	Q
	4th	25-11-2023	4	Execution of an order, Complaint, Cancellation of an order, Assignment	Q
15th	1st	29-11-2023	4	<u>Job Application and CV</u> Features	Q
	2nd	30-11-2023	4	Format (note writing) Practice	Q
	3rd	02-12-2023	4	Different Job Application Practice	Q
	4th	04-12-2023	4	Different BIO-DATA writing Practice	Q
16th	1st	06-12-2023		Quick Revision	Q
	2nd	07-12-2023		Previous year question discussion, Note Verification	Q
	3rd	09-12-2023		Previous year question discussion, Note Verification	Q
	4th	11-12-2023		Very Similar Test	Q



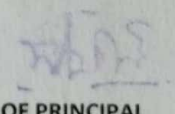
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KALAM INSTITUTE OF TECHNOLOGY(P), BERHAMPUR

LESSON PLAN

W-23

DISCIPLINE: MATH AND SCIENCE	SEMESTER: 1st	NAME OF THE TEACHING FACULTY: Mr. GUPTA PRASAD DAS (Lecturer in PHYSICS)			
SUBJECT: ENGG. PHYSICS	NO. OF DAY/ WEEK CLASS ALLOTTED: 04	SEMESTER FROM DATE: 18-08-2023 TO DATE: 11-12-2023 BRANCH: E&TC AND MECH. ENGG. (SEC-B) NO. OF WEEKS: 15			
WEEKS	CLASS DAYS	DATE	UNIT	THEORY - TOPIC	REMARK
1st	1st	17-8-23		INTRODUCTION	Graph
	2nd	19-8-23	1	Physical quantities, Dimension	Graph
	3rd	21-8-23	1	Dimensional formulae of P, Q, equations & Principal of homogeneity	Graph
	4th	22-8-23	1	Checking the Dimensional correctness of physical relations & Numericals, Assignment	Graph
2nd	1st	24-8-23	2	Scalar and Vector quantities, Representation of a Vector	Graph
	2nd	26-8-23	2	Triangle and Parallelogram law of vector Addition, Simple Numericals	Graph
	3rd	28-8-23	2	Resolution of Vectors, Vector multiplication & Simple Numericals, Assignment	Graph
	4th	29-8-23	2	Resolution of Vectors, Vector multiplication & Simple Numericals, Assignment	Graph
3rd	1st	31-8-23	8	Reflection & Refraction Defn., Laws of reflection and refraction, Refractive index Critical Angle and Total internal reflection	Graph
	2nd	2-9-23	8	Refraction through Prism & Simple Numericals	Graph
	3rd	4-9-23	8	Fiber Optics, Assignment	Graph
	4th	5-9-23		Q & A Discussion, Doubt Clear, Note Verification	Graph
4th	1st	7-9-23	3	Concept of Rest and Motion, Displacement, Speed, Velocity, Acceleration & FORCE (Definition, formula, dimension & SI units)	Graph
	2nd	9-9-23	3	Equations of Motion under Gravity, Circular motion: Angular displacement, Angular velocity and Angular acceleration (definition, formula & SI units)	Graph
	3rd	11-9-23	3	Relation between (i) Linear & Angular velocity, (ii) Linear & Angular acceleration Define Projectile, Examples of Projectile	Graph
	4th	12-9-23	3	Expression for Equation of Trajectory, Time of Flight, Maximum Height and Horizontal	Graph
5th	1st	14-9-23	3	Range for a projectile fired at an angle, Condition for maximum Horizontal Range.	Graph
	2nd	16-9-23	4	Work, Friction (Definition, Formula & SI units), Types of friction (static, dynamic)	Graph
	3rd	18-9-23	4	Limiting Friction, Laws of Limiting Friction, Coefficient of Friction	Graph
	4th	21-9-23	4	Coefficient of Friction, Methods to reduce friction, Simple Numericals	Graph
6th	1st	23-9-23	5	Newton's laws of Gravitation	Graph
	2nd	25-9-23	5	Newton's laws of Gravitation	Graph
	3rd	26-9-23	5	Universal Gravitational Constant (G), Acceleration due to gravity (g)	Graph
	4th	30-9-23	5	Definition of mass and weight, Relation between g and G	Graph
7th	1st	3-10-23	5	Variation of g with altitude and depth, Simple Numericals	Graph
	2nd	5-10-23	5	Kepler's Laws of Planetary Motion	Graph
	3rd	7-10-23	9	Electrostatics (Definition & Concept), Statement & Explanation of Coulombs laws, Defn. of Unit charge	Graph
	4th	9-10-23	9	Electrostatics (Definition & Concept), Statement & Explanation of Coulombs laws, Defn. of Unit charge	Graph
8th	1st	10-10-23	9	Absolute & Relative Permittivity (ϵ), Electric potential and Electric Potential difference, Electric field, Electric field intensity (E)	Graph
	2nd	12-10-23	9	Capacitance, Series and Parallel combination of Capacitors, Simple numericals	Graph
	3rd	16-10-23	9	Magnet, Properties of a magnet, Coulomb's Laws in Magnetism, Unit pole	Graph
	4th	17-10-23	9	Magnetic field, Magnetic Field intensity (H), Magnetic lines of force, Magnetic Flux (Φ) & Magnetic Flux Density (B)	Graph

9th	1st	19-10-23	6	Simple Harmonic Motion (SHM), Expression for displacement, velocity, acceleration of a body/ particle in SHM Wave motion, Transverse and Longitudinal wave motion	<i>Graph</i>
	2nd	30-10-23	6	Simple Harmonic Motion (SHM), Expression for displacement, velocity, acceleration of a body/ particle in SHM Wave motion, Transverse and Longitudinal wave motion	<i>Graph</i>
	3rd	31-10-23	6	Definition of different wave parameters, Derivation of Relation between Velocity, Frequency and Wavelength of a wave	<i>Graph</i>
	4th	2-11-23		Ultrasonics - Definition, Properties & Applications.	<i>Graph</i>
10th	1st	4-11-23		Heat and Temperature (Definition & Difference), Units of Heat	<i>Graph</i>
	2nd	6-11-23	7	Specific Heat (concept, definition, unit, dimension and simple numericals)	<i>Graph</i>
	3rd	7-11-23	7	Change of state (concept), Latent Heat (concept, definition, unit, dimension and simple numerical), Thermal Expansion - Definition & Concept	<i>Graph</i>
	4th	9-11-23	7	Change of state (concept), Latent Heat (concept, definition, unit, dimension and simple numerical), Thermal Expansion - Definition & Concept	<i>Graph</i>
11th	1st	11-11-23	7	Expansion of Solids (Concept), Coefficient of linear, superficial and cubical expansions of Solids (Definition & Units).	<i>Graph</i>
	2nd	13-11-23	7	Relation between α , β & γ , Simple Numericals	<i>Graph</i>
	3rd	14-11-23	7	Relation between α , β & γ , Simple Numericals	<i>Graph</i>
	4th	16-11-23		Q & A Discussion, Doubt Clear, Note Verification	<i>Graph</i>
12th	1st	18-11-23	7	Work and Heat - Concept & Relation. Simple Numericals	<i>Graph</i>
	2nd	20-11-23	7	Joule's Mechanical Equivalent of Heat, First Law of Thermodynamics	<i>Graph</i>
	3rd				
	4th				
13th	1st	21-11-23	10	Electric Current, Ohm's law and its applications	<i>Graph</i>
	2nd	23-11-23	10	Series and Parallel combination of resistors, Kirchhoff's laws, Simple numericals	<i>Graph</i>
	3rd	25-11-23	10	Application of Kirchhoff's laws to Wheatstone bridge - Balanced condition of Wheatstone's Bridge, Simple numericals, Assignment	<i>Graph</i>
	4th	28-11-23	10	Application of Kirchhoff's laws to Wheatstone bridge - Balanced condition of Wheatstone's Bridge, Simple numericals, Assignment	<i>Graph</i>
14th	1st	30-11-23	11	Electromagnetism (Def. & Concept), Force acting on a current carrying conductor placed in a uniform magnetic field	<i>Graph</i>
	2nd	2-12-23	11	Fleming's Left Hand Rule, Faraday's Laws of Electromagnetic Induction	<i>Graph</i>
	3rd	4-12-23	11	Numericals, Assignment	<i>Graph</i>
15th	1st	5-12-23	11	Lenz's Law, Fleming's Right Hand Rule, Discussion	<i>Graph</i>
	2nd	7-12-23	11	Comparison between Fleming's Right Hand Rule and Fleming's Left Hand Rule, Simple Numericals, Assignment	<i>Graph</i>
	3rd	9-12-23	12	LASER & laser beam, Principle of LASER, Properties & Applications of LASER	<i>Graph</i>
	4th	11-12-23	12	Wireless Transmission, Ground Waves, Sky Waves, Space Waves, REVISION	<i>Graph</i>

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KALAM INSTITUTE OF TECHNOLOGY(P), BERHAMPUR

LESSON PLAN

DISCIPLINE: MAT H AND SCIENCE		SEMESTER: FIRST		NAME OF THE TEACHING FACULTY: Dr. SAGARIKA PATRA (Lecturer in Chemistry)	
SUBJECT: ENGG. CHEMISTRY		NO. OF DAY / WEEK CLASS		SEMESTER FROM DATE: 16-08-2023 TO DATE: 23-12-2023	
		NO. OF WEEKS: 16		SEC-C	
WEEKS	CLASS DAYS	DATE	UNIT/ CHAPTER	THEORY TOPIC	REMARK
First	1st	16/08/23	1	PHYSICAL CHEMISTRY (Atomic structure) Fundamental particles (electron, proton & neutron Def. mass and charge)	
	2nd	17/08/23	1	Rutherford's Atomic model (postulates and failure)	
	3rd	19/08/23	1	Atomic mass and mass number, Definition, examples and properties of Isotopes, isobars and isotones,	
Second	1st	21/08/23	1	Bohr's Atomic model (Postulates only), Bohr-Bury scheme, Aufbau's principle, Hund's rule, Electronic configuration.	
	2nd	23/08/23	2	Chemical Bonding Definition, types (Electrovalent, Covalent and Coordinate bond)	
	3rd	24/08/23	2	Formation of NaCl, MgCl ₂ , H ₂ Cl ₂ , O ₂ , N ₂ , H ₂ O, CH ₄ , NH ₃ , NH ₄ ⁺ , SO ₂	
	4th	26/08/23	2	Formation of NaCl, MgCl ₂ , H ₂ Cl ₂ , O ₂ , N ₂ , H ₂ O, CH ₄ , NH ₃ , NH ₄ ⁺ , SO ₂	
Third	1st	28/08/23	3	Acid base theory Concept of Arrhenius, Lowry Bronsted and Lewis theory for acid and base with examples	
	2nd	31/08/23	3	Neutralization of acid & base.	
	3rd	02/09/23	3	Definition of Salt, Types of salts (Normal, acidic, basic, double, complex and mixed salts, definitions with two examples from each)	
Fourth	1st	04/09/23	4	Solutions Definitions of atomic weight, molecular weight, Equivalent weight. Determination of equivalent weight of Acid, Base and Salt.	
	2nd	07/09/23	4	Modes of expression of the concentrations, Simple Numericals	
	3rd	09/09/23	4	pH of solution, Simple Numericals	
Fifth	1st	11/09/23	4	Importance of pH in industry (sugar, textile, paper industries only)	
	2nd	13/9/23	5	Electrochemistry Definition and types (Strong & weak) of Electrolytes with example, Electrolysis (Principle & process) with example of NaCl	
	3rd	14/9/23	5	Faraday's 1st and 2nd law of Electrolysis, Simple Numericals Industrial application of Electrolysis- Electroplating, Assignment	
	4th	16/9/23	5	Faraday's 1st and 2nd law of Electrolysis, Simple Numericals Industrial application of Electrolysis- Electroplating, Assignment	
Sixth	1st	18/9/23	6	Corrosion Definition of Corrosion, Types of Corrosion- Atmospheric Corrosion, Waterline corrosion	
	2nd	21/9/23	6	Mechanism of rusting of Iron only. Protection from Corrosion by (i) Alloying and (ii) Galvanization.	
	3rd	23/9/23	7	INORGANIC CHEMISTRY (Metallurgy) Definition of Mineral, ores, gangue with example. Distinction between Ores And Minerals	
	4th	23/9/24	7	Ore Dressing, Concentration (Gravity separation, magnetic separation, Froth floatation & leaching)	
Seventh	1st	25/9/23	7	Oxidation (Calcinations, Roasting), Reduction (Smelting, Definition & examples of flux, slag)	
	2nd	27/9/23	7	Oxidation (Calcinations, Roasting), Reduction (Smelting, Definition & examples of flux, slag)	
	3rd	30/9/23	7	Refining of the metal (Electro refining, & Distillation only)	
Eighth	1st	04/10/23	8	Alloys Definition of alloy. Types of alloys with examples. Composition and uses of Brass, Bronze, Alnico, Duralumin	
	2nd	05/10/23	9	ORGANIC CHEMISTRY (Hydrocarbons) Saturated and Unsaturated Hydrocarbons	
	3rd	07/10/23	9	Aliphatic and Aromatic Hydrocarbons (Huckle's rule only). Difference between Aliphatic and aromatic hydrocarbons	

Ninth	1st	09/10/23	9	IUPAC system of nomenclature of Alkane, Alkene, with bond line notation
	2nd	11/10/23	9	IUPAC system of nomenclature of Alkene with bond line notation
	3rd	12/10/23	9	IUPAC system of nomenclature of Alkyl halide with bond line notation
Tenth	1st	16/10/23	9	Uses of some common aromatic compounds (Benzene, Toluene, BHC, Phenol, Naphthalene, Anthracene and Benzoic acid) in daily life.
	2nd	18/10/23	9	Uses of some common aromatic compounds (Benzene, Toluene, BHC, Phenol, Naphthalene, Anthracene and Benzoic acid) in daily life.
	3rd	19/10/23	10	INDUSTRIAL CHEMISTRY (Water Treatment) Sources of water, Soft water, Hard water, hardness
	4th	30/10/23	10	Types of Hardness (temporary or carbonate and permanent or non-carbonate)
Eleventh	1st	01/11/23	10	Types of Hardness (temporary or carbonate and permanent or non-carbonate)
	2nd	02/11/23	10	Removal of hardness by lime soda method (Hot lime)
	3rd	04/11/23	10	Removal of hardness by lime soda method (Cold lime)
Twelfth	1st	06/11/23	10	Advantages of Hot lime over cold lime process
	2nd	08/11/23	10	Organic Ion exchange method
	3rd	09/11/23	11	Lubricants Definition of lubricant, Types of lubricant
	4th	11/11/23	11	Specific uses of lubricants, Purpose of lubrication
Thirteenth	1st	13/11/23	12	Fuel Definition and classification of fuel
	2nd	15/11/23	12	Definition of calorific value of fuel, Choice of good fuel
		16/11/23	12	Definition of calorific value of fuel, Choice of good fuel
	3rd	18/11/23	12	Definition of calorific value of fuel, Choice of good fuel
Fourteenth	1st	20/11/23	12	Liquid: Diesel, Petrol, and Kerosene --- Composition and uses.
	2nd	22/11/23	12	Liquid: Diesel, Petrol, and Kerosene --- Composition and uses.
	3rd	23/11/23	12	Gaseous: Producer gas and Water gas (Composition and uses). Elementary idea about LPG, CNG and coal gas (Composition and uses only).
	4th	25/11/23	12	Elementary idea about LPG, CNG and coal gas (Composition and uses only).
Fifteenth	1st	29/11/23	13	Polymer Definition of Monomer, Polymer, Homo-polymer, Co-polymer
	2nd	30/11/23	13	Degree of polymerization. Difference between Thermosetting and Thermoplastic
	3rd	2/12/23	13	Degree of polymerization. Difference between Thermosetting and Thermoplastic
	4th	4/12/23	13	Composition and uses of Polythene, Poly-Vinyl Chloride and Bakelite
sixteenth	1st	6/12/23	13	Definition of Elastomer (Rubber). Natural Rubber (it's draw backs)
	2nd	7/12/23	13	Vulcanisation of Rubber. Advantages of Vulcanised rubber over raw rubber.
	3rd	9/12/23	14	Chemicals in Agriculture Pesticides: Insecticides, herbicides, fungicides- Examples and uses.
	4th	11/12/23	14	Bio Fertilizers: Definition, examples and uses.

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KALAM INSTITUTE OF TECHNOLOGY, BERHAMPUR

LESSON PLAN

DISCIPLINE: MATH AND SCIENCE	SEMESTER: 1ST		NAME OF THE TEACHING FACULTY: Mr. RAJA PRADHAN (Lecturer in Chemistry)	
SUBJECT: ENGG. CHEMISTRY Th. 2b.	NO. OF DAY/ WEEK CLASS ALLOTTED: 04		SEMESTER FROM DATE: BRANCH- ELECTRICAL ENGG. (SEC-D) NO. OF WEEKS: 15	TO DATE:
WEEKS	CLASS DAYS	DATE	UNIT	THEORY TOPIC
First	1st			INTRODUCTION
	2nd		1	PHYSICAL CHEMISTRY (Atomic structure) Fundamental particles (electron, proton & neutron Definition, mass and charge). Rutherford's Atomic model (postulates and failure)
	3rd		1	Atomic mass and mass number, Definition, examples and properties of Isotopes, isobars and isotones
	4th		1	Bohr's Atomic model (Postulates only), Bohr-Bury scheme,
Second	1st		1	Aufbau's principle, Hund's rule, Electronic configuration.
	2nd		2	Chemical Bonding Definition , types (Electrovalent, Covalent and Coordinate bond)
	3rd		2	Formation of NaCl, MgCl ₂ , H ₂ , Cl ₂ , O ₂ , N ₂ , H ₂ O, CH ₄ , NH ₃ , NH ₄ ⁺ , SO ₂
	4th		3	Acid base theory Concept of Arrhenius, Lowry Bronsted and Lewis theory for acid and base with examples
Third	1st		3	Neutralization of acid & base.
	2nd		3	Definition of Salt, Types of salts.
	3rd		4	Solutions Definitions of atomic weight, molecular weight, Equivalent weight. Determination of equivalent weight of Acid, Base and Salt.
	4th		4	Modes of expression of the concentrations, Simple Numericals
Fourth	1st		4	pH of solution, Simple Numericals
	2nd		4	Importance of pH in industry (sugar, textile, paper industries only)
	3rd		5	Electrochemistry Definition and types (Strong & weak) of Electrolytes with example, Electrolysis (Principle & process) with example of NaCl
	4th		5	Faraday's 1st and 2nd law of Electrolysis, Simple Numericals
Fifth	1st		5	Industrial application of Electrolysis- Electroplating, Assignment
	2nd		6	Corrosion Definition of Corrosion, Types of Corrosion- Atmospheric Corrosion, Waterline corrosion
	3rd		6	Mechanism of rusting of Iron only. Protection from Corrosion by (i) Alloying and (ii) Galvanization.
	4th		7	INORGANIC CHEMISTRY (Metallurgy) Definition of Mineral, ores , gangue with example. Distinction between Ores And Minerals
Sixth	1st		7	Ore Dressing, Concentration (Gravity separation, magnetic separation, Froth floatation & leaching)
	2nd		7	Oxidation (Calcinations, Roasting), Reduction (Smelting, Definition & examples of flux, slag)
	3rd		7	Refining of the metal (Electro refining, & Distillation only)
	4th		8	Alloys Definition of alloy. Types of alloys with examples.
Seventh	1st		8	Composition and uses of Brass, Bronze, Alnico, Duralumin
	2nd		9	ORGANIC CHEMISTRY (Hydrocarbons) Saturated and Unsaturated Hydrocarbons
	3rd		9	Aliphatic and Aromatic Hydrocarbons (Huckle's rule only). Difference between Aliphatic and aromatic hydrocarbons
	4th		9	IUPAC system of nomenclature of Alkane, Alkene, with bond line notation

Eighth	1st	9	IUPAC system of nomenclature of Alkene with bond line notation
	2nd	9	IUPAC system of nomenclature of Alkyne with bond line notation
	3rd	9	IUPAC system of nomenclature of Alkyl halide with bond line notation
	4th	9	IUPAC system of nomenclature of Alkyl halide with bond line notation
Ninth	1st	9	IUPAC system of nomenclature of Alcohol with bond line notation
	2nd	9	Uses of some common aromatic compounds (Benzene, Toluene, BHC, Phenol, Naphthalene, Anthracene and Benzoic acid) in daily life.
	3rd	9	Uses of some common aromatic compounds (Benzene, Toluene, BHC, Phenol, Naphthalene, Anthracene and Benzoic acid) in daily life.
	4th	10	<u>INDUSTRIAL CHEMISTRY(Water Treatment)</u> Sources of water, Soft water, Hard water, hardness
Tenth	1st	10	Types of Hardness (temporary or carbonate and permanent or non-carbonate) Removal of hardness by lime soda method(Hot lime)
	2nd	10	Types of Hardness (temporary or carbonate and permanent or non-carbonate) Removal of hardness by lime soda method(Hot lime)
	3rd	10	Removal of hardness by lime soda method(Cold lime)
	4th	10	Advantages of Hot lime over cold lime process
Eleventh	1st	10	Organic Ion exchange method
	2nd	11	<u>Lubricants</u> Definition of lubricant, Types of lubricant
	3rd	11	Definition of lubricant, Types of lubricant
	4th	11	Specific uses of lubricants, Purpose of lubrication
Twelfth	1st	12	<u>Fuel</u> Definition and classification of fuel
	2nd	12	Definition of calorific value of fuel, Choice of good fuel
	3rd	12	Liquid: Diesel, Petrol, and Kerosene --- Composition and uses.
	4th	12	Liquid: Diesel, Petrol, and Kerosene --- Composition and uses.
Thirteenth	1st	12	Gaseous: Producer gas and Water gas (Composition and uses).
	2nd	12	Elementary idea about LPG, CNG and coal gas (Composition and uses only).
	3rd	12	Elementary idea about LPG, CNG and coal gas (Composition and uses only).
	4th	13	<u>Polymer</u> Definition of Monomer, Polymer, Homo-polymer, Co-polymer
Fourteenth	1st	13	Degree of polymerization. Difference between Thermosetting and Thermoplastic
	2nd	13	Composition and uses of Polythene
	3rd	13	Composition and uses of Poly-Vinyl Chloride
	4th	13	Composition and uses of Bakelite
Fifteenth	1st	13	Definition of Elastomer (Rubber). Natural Rubber (it's draw backs)
	2nd	13	Vulcanisation of Rubber. Advantages of Vulcanised rubber over raw rubber.
	3rd	14	<u>Chemicals in Agriculture</u> Pesticides: Insecticides, herbicides, fungicides- Examples and uses.
	4th	14	Bio Fertilizers: Definition, examples and uses.

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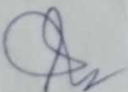
KALAM INSTITUTE OF TECHNOLOGY, BERHAMPUR


LESSON PLAN

DISCIPLINE: MATH AND SCIENCE*	SEMESTER: FIRST	NAME OF THE TEACHING FACULTY: <u>Jaraki Reddy</u> <u>Leet in Mathematics</u>			
SUBJECT: ENGG. MATHEMATIC	NO. OF DAY / WEEK / CLASS ALLOTTED: 05	SEMESTER FROM DATE: <u>01/08/23</u> TO DATE: <u>30/11/23</u> BRANCH: <u>Civil</u> NO. OF WEEKS: <u>15</u>			
WEEKS	CLASS DAYS	DATE	UNIT / CHAPTER	THEORY TOPIC	REMARK
First	1st	<u>16/08/2023</u>	<u>1</u>	<u>INTRODUCTION</u>	<u>JR</u>
	2nd	<u>17/08/23</u>	<u>1</u>	<u>MATRICES</u>	<u>JR</u>
	3rd	<u>18/08/23</u>	<u>1</u>	Types of matrices	<u>JR</u>
	4th	<u>19/08/23</u>	<u>1</u>	Equality and transpose of matrix	<u>JR</u>
	5th	<u>22/08/23</u>	<u>1</u>	Addition and subtraction of matrix	<u>JR</u>
Second	1st	<u>23/08/23</u>	<u>1</u>	Multiplication of matrix	<u>JR</u>
	2nd	<u>24/08/23</u>	<u>1</u>	Determinant	<u>JR</u>
	3rd	<u>25/08/23</u>	<u>1</u>	Properties of determinant	<u>JR</u>
	4th	<u>26/08/23</u>	<u>1</u>	Inverse of matrix (2nd order)	<u>JR</u>
	5th	<u>29/08/23</u>	<u>1</u>	Inverse of matrix (3rd order)	<u>JR</u>
Third	1st	<u>31/08/23</u>	<u>1</u>	Cramers rule (2 variable)	<u>JR</u>
	2nd	<u>01/09/23</u>	<u>1</u>	Cramers rule (3 variable)	<u>JR</u>
	3rd	<u>02/09/23</u>	<u>1</u>	Solution of equation by matrix inverse method	<u>JR</u>
	4th	<u>05/09/23</u>	<u>1</u>	solution of equation by matrix inverse method	<u>JR</u>
	5th	<u>07/09/23</u>	<u>1</u>	EXERCISE QUESTION	<u>JR</u>
Fourth	1st	<u>08/09/23</u>	<u>2</u>	EXERCISE QUESTION	<u>JR</u>
	2nd	<u>09/09/23</u>	<u>2</u>	<u>TRIGONOMETRY</u>	<u>JR</u>
	3rd	<u>12/09/23</u>	<u>2</u>	Co-ordinate system	<u>JR</u>
	4th	<u>13/09/23</u>	<u>2</u>	Domain and Range	<u>JR</u>
	5th	<u>14/09/23</u>	<u>2</u>	Graph and Trigonometric function	<u>JR</u>
Fifth	1st	<u>15/09/23</u>	<u>2</u>	Ratio of Trigonometric function	<u>JR</u>
	2nd	<u>16/09/23</u>	<u>2</u>	EXERCISE QUESTION	<u>JR</u>
	3rd	<u>21/09/23</u>	<u>2</u>	Important formulas	<u>JR</u>
	4th	<u>22/09/23</u>	<u>2</u>	Compound angles	<u>JR</u>
	5th	<u>23/09/23</u>	<u>2</u>	Multiple Angles	<u>JR</u>
Sixth	1st	<u>26/09/23</u>	<u>2</u>	Submultiple angles	<u>JR</u>
	2nd	<u>27/09/23</u>	<u>2</u>	Submultiple angles	<u>JR</u>
	3rd	<u>29/09/23</u>	<u>2</u>	Inverse Trigonometric function	<u>JR</u>
	4th	<u>30/09/23</u>	<u>2</u>	Inverse Trigonometric function	<u>JR</u>
	5th	<u>03/10/23</u>	<u>2</u>	Inverse Trigonometric function	<u>JR</u>
Seventh	1st	<u>04/10/23</u>	<u>2</u>	Problems solve class	<u>JR</u>
	2nd	<u>05/10/23</u>	<u>2</u>	Properties of Inverse trigonometric Function	<u>JR</u>
	3rd	<u>06/10/23</u>	<u>2</u>	Inverse circular function	<u>JR</u>
	4th	<u>07/10/23</u>	<u>2</u>	Inverse circular function properties	<u>JR</u>
	5th	<u>10/10/23</u>	<u>2</u>	EXERCISE QUESTION	<u>JR</u>
Eighth	1st	<u>11/10/23</u>	<u>3</u>	EXERCISE QUESTION	<u>JR</u>
	2nd	<u>12/10/23</u>	<u>3</u>	<u>2D</u>	<u>JR</u>
	3rd	<u>13/10/23</u>	<u>3</u>	Introduction of Geometry	<u>JR</u>
	4th	<u>17/10/23</u>	<u>3</u>	Distance, Division, Formula	<u>JR</u>
	5th	<u>18/10/23</u>	<u>3</u>	Triangle area, slope of a line	<u>JR</u>
				Triangle area, slope of a line	<u>JR</u>
				Angle between two lines, Perpendicularity	<u>JR</u>

Ninth	1st	19/10/23	3	Angle between two lines, Perpendicularity	JM
	2nd	20/10/23	3	Parallelism formulas	JM
	3rd	31/10/23	3	Parallelism formulas	JM
	4th	01/11/23	3	Forms of straight line	JM
	5th	02/11/23	3	Slope form	JM
Tenth	1st	03/11/23	3	Intercept form	JM
	2nd	04/11/23	3	Perpendicular form	JM
	3rd	07/11/23	3	Equation of a line passing through a point	JM
	4th	08/11/23	3	Parallel to a line	JM
	5th	09/11/23	3	Perpendicular to a line	JM
Eleventh	1st	10/11/23	3	EXERCISE QUESTION	JM
	2nd	11/11/23	3	Eqn of a line through the intersection of two lines	JM
	3rd	14/11/23	3	Distance of a point from a line	JM
	4th	15/11/23	3	Distance of a point from a line	JM
	5th	16/11/23	3	Eqn of a circle center radius form	JM
Twelfth	1st	17/11/23	3	General eqn of a circle	JM
	2nd	18/11/23	3	End point of diameter form	JM
	3rd	21/11/23	3	EXERCISE QUESTION	JM
	4th	22/11/23	2	EXERCISE QUESTION	JM
	5th	23/11/23	4	3D Introduction	JM
Thirteenth	1st	24/11/23	4	Distance formula, section formula	JM
	2nd	25/11/23	4	Direction ratio, Direction cosine	JM
	3rd	28/11/23	4	Angle between two lines (conditions)	JM
	4th	29/11/23	4	General eqn of a plane	JM
	5th	30/11/23	4	Angle between 2 planes, perpendicular distance	JM
Fourteenth	1st	01/12/23	4	Eqn of plane passing through a point	JM
	2nd	02/12/23	4	Eqn of plane passing through a point	JM
	3rd	05/12/23	4	Eqn of plane passing through a point perpendicular to plane	JM
	4th	06/12/23	4	Eqn of plane passing through a point parallel to plane	JM
	5th	07/12/23	4	EXERCISE QUESTION	JM
Fifteenth	1st	08/12/23	4	Sphere eqn (i) Centre radius form	JM
	2nd	09/12/23	4	General form	JM
	3rd	09/12/23	4	Two end points of a diameter form	JM
	4th	10/12/23	4	EXERCISE QUESTION	JM
	5th	10/12/23	4	REVISION	JM

Jaraki Reddy
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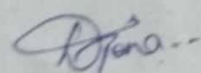
LESSON PLAN


DISCIPLINE: MATHEMATICS	SEMESTER: FIRST	NAME OF THE TEACHING FACULTY: <u>Dasrathi Jena Lect. in mathematics</u>
SUBJECT: ENGG. MATHEMATIC	NO. OF DAY / WEEK / CLASS ALLOTTED: 05	SEMESTER FROM DATE: <u>01/08/2023</u> TO DATE: <u>30/11/2023</u>
		BRANCH: <u>ETC</u>
		NO. OF WEEKS: <u>15</u>

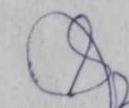
WEEKS	CLASS DAYS	DATE	UNIT/ CHAPTER	THEORY TOPIC	REMARK
First	1st	19/08/2023	1	INTRODUCTION	DJena
	2nd	18/08/2023	1	MATRICES	DJena
	3rd	19/08/2023	1	Types of matrices	DJena
	4th	21/08/2023	1	Equality and transpose of matrix	DJena
	5th	22/08/2023	1	Addition and subtraction of matrix	DJena
Second	1st	24/08/2023	1	Multiplication of matrix	DJena
	2nd	25/08/2023	1	Determinant	DJena
	3rd	26/08/2023	1	Properties of determinant	DJena
	4th	28/08/2023	1	Inverse of matrix (2nd order)	DJena
	5th	29/08/2023	1	Inverse of matrix (3rd order)	DJena
Third	1st	31/08/2023	1	Cramers rule (2 variable)	DJena
	2nd	01/09/2023	1	Cramers rule (3 variable)	DJena
	3rd	02/09/2023	1	Solution of equation by matrix inverse method	DJena
	4th	04/09/2023	1	solution of equation by matrix inverse method	DJena
	5th	05/09/2023	1	EXERCISE QUESTION	DJena
Fourth	1st	07/09/2023	2	EXERCISE QUESTION	DJena
	2nd	08/09/2023	2	TRIGONOMETRY	DJena
	3rd	09/09/2023	2	Co-ordinate system	DJena
	4th	11/09/2023	2	Domain and Range	DJena
	5th	12/09/2023	2	Graph and Trigonometric function	DJena
Fifth	1st	14/09/2023	2	Ratio of Trigonometric function	DJena
	2nd	15/09/2023	2	EXERCISE QUESTION	DJena
	3rd	16/09/2023	2	Important formulas	DJena
	4th	18/09/2023	2	Compound angles	DJena
	5th	21/09/2023	2	Multiple Angles	DJena
Sixth	1st	22/09/2023	2	Submultiple angles	DJena
	2nd	23/09/2023	2	Submultiple angles	DJena
	3rd	25/09/2023	2	Inverse Trigonometric function	DJena
	4th	26/09/2023	2	Inverse Trigonometric function	DJena
	5th	29/09/2023	2	Inverse Trigonometric function	DJena
Seventh	1st	30/09/2023	2	Problems solve class	DJena
	2nd	03/10/2023	2	Properties of Inverse trigonometric Function	DJena
	3rd	05/10/2023	2	Inverse circular function	DJena
	4th	06/10/2023	2	Inverse circular function properties	DJena
	5th	07/10/2023	2	EXERCISE QUESTION	DJena
Eighth	1st	09/10/2023	3	EXERCISE QUESTION	DJena
	2nd	10/10/2023	3	2D	DJena
	3rd	12/10/2023	3	Introduction of Geometry	DJena
	4th	13/10/2023	3	Distance, Division, Formula	DJena
				Triangle area, slope of a line	DJena
				Triangle area, slope of a line	DJena

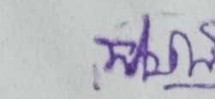
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Ninth	1st	16/10/2023	3	Angle between two lines, Perpendicularity	Djona
	2nd	17/10/2023	3	Parallelism formulas	Djona
	3rd	18/10/2023	3	Parallelism formulas	Djona
	4th	20/10/2023	3	Forms of straight line	Djona
	5th	20/10/2023	3	Slope form	Djona
Tenth	1st	31/10/2023	3	Intercept form	Djona
	2nd	02/11/2023	3	Perpendicular form	Djona
	3rd	03/11/2023	3	Equation of a line passing through a point	Djona
	4th	04/11/2023	3	Parallel to a line	Djona
	5th	06/11/2023	3	Perpendicular to a line	Djona
Eleventh	1st	07/11/2023	3	EXERCISE QUESTION	Djona
	2nd	09/11/2023	3	Eqn of a line through the intersection of two lines	Djona
	3rd	10/11/2023	3	Distance of a point from a line	Djona
	4th	11/11/2023	3	Distance of a point from a line	Djona
	5th	13/11/2023	3	Eqn of a circle center radius form	Djona
Twelfth	1st	14/11/2023	3	General eqn of a circle	Djona
	2nd	16/11/2023	3	End point of diameter form	Djona
	3rd	17/11/2023	3	EXERCISE QUESTION	Djona
	4th	18/11/2023	3	EXERCISE QUESTION	Djona
	5th	20/11/2023	4	3D <u>Introduction</u>	Djona
Thirteenth	1st	21/11/2023	4	Distance formula, section formula	Djona
	2nd	23/11/2023	4	Direction ratio, Direction cosine	Djona
	3rd	24/11/2023	4	Angle between two lines (conditions)	Djona
	4th	25/11/2023	4	General eqn of a plane	Djona
	5th	28/11/2023	4	Angle between 2 planes, perpendicular distance	Djona
Fourteenth	1st	30/11/2023	4	Eqn of plane passing through a point	Djona
	2nd	01/12/2023	4	Eqn of plane passing through a point	Djona
	3rd	02/12/2023	4	Eqn of plane passing through a point perpendicular to plane	Djona
	4th	04/12/2023	4	Eqn of plane passing through a point parallel to plane	Djona
	5th	05/12/2023	4	EXERCISE QUESTION	Djona
Fifteenth	1st	07/12/2023	4	Sphere eqn (i) Centre radius form	Djona
	2nd	08/12/2023	4	General form	Djona
	3rd	09/12/2023	4	Two end points of a diameter form	Djona
	4th	10/12/2023	4	EXERCISE QUESTION	Djona
	5th	11/12/2023	4	REVISION	Djona


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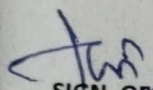

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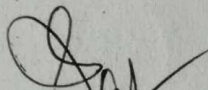
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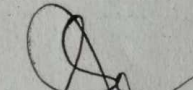
LESSON PLAN

DISCIPLINE: MATHEMATICS AND SCIENCE	SEMESTER: 1st	NAME OF THE TEACHING FACULTY: Er. PRABHAT KUMAR PANDA (Lect. In B.ETC)			
SUBJECT: B.ETC. TH4(b)	NO. OF DAY WEEK CLASS ALLOTTED: 02	SEMESTER FROM DATE: 16-08-2023 TO DATE: 09-01-2024 NO. OF WEEKS: 15			
WEEKS	CLASS DAYS	DATE	UNIT	THEORY	REMARK
First	1st	3-8-23	1	<u>ELECTRONIC DEVICES</u> Basic Concept of Electronics and its application.	
	2nd	7-8-23	1	Basic Concept of Electron Emission & its types	
		10-8-23			
Second	1st	10-8-23	1	Classification of material according to electrical conductivity (Conductor, Semiconductor & Insulator) with respect to energy band diagram only.	
	2nd	14-8-23	1	Difference between Intrinsic & Extrinsic Semiconductor, vacuum tube & semiconductor	
Third	1st	17-8-23	1	Principle of working and use of PN junction diode	
	2nd	21-8-23	1	Principle of working and use of Zener diode and Light Emitting Diode (LED)	
Fourth	1st	24-8-23	1	Integrated circuits (I.C) & its advantages.	
	2nd	28-8-23	2	<u>ELECTRONIC CIRCUITS</u> Rectifier & its uses, Principles of working of different types of Rectifiers with their merits and demerits	
Fifth	1st	31-8-23	2	Functions of filters and classification of simple Filter circuit (Capacitor, choke input and π)	
	2nd	4-9-23	2	Working of D.C power supply system (unregulated) Transistor, Different types of Transistor Configuration	
Sixth	1st	7-9-23	2	Need of biasing and explain different types of biasing with circuit diagram. (only CE configuration)	
	2nd	11-9-23	2	Amplifiers (concept), working principles of single phase CE amplifier	
Seventh	1st	14-9-23	2	Electronic Oscillator and its classification	
	2nd	18-9-23	2	Working of Basic Oscillator with different elements through simple Block Diagram	
Eighth	1st	21-9-23	2	Working of Basic Oscillator with different elements through simple Block Diagram	
	2nd	25-9-23	3	<u>COMMUNICATION SYSTEM</u> Basic communication system	
Ninth	1st	5-10-23	3	Concept of Modulation and Demodulation, Difference between them	
	2nd	9-10-23	3	Different types of Modulation (AM, FM & PM) based on signal, carrier wave and modulated wave	
Tenth	1st	12-10-23	4	<u>TRANSDUCERS AND MEASURING INSTRUMENTS</u> Concept of Transducer and sensor with their differences.	
	2nd	16-10-23	4	Different type of Transducers & concept of active and passive transducer	

Eleventh	1st	19-10-23	4	Different type of Transducers & concept of active and passive transducer
	2nd	30-10-23	4	Working principle of photo emissive, photoconductive and its application
Twelfth	1st	2-11-23	4	Working principle of photo emissive, photoconductive and its application
	2nd	6-11-23	4	Working principle of photovoltaic transducer and its application
Thirteenth	1st	9-11-23	4	Multimeter and its applications
	2nd	13-11-23	4	Analog and Digital Multimeter and their differences
Fourteenth	1st	16-11-23	4	Multimeter and its applications
	2nd	20-11-23	4	Analog and Digital Multimeter and their differences
Fifteenth	1st	23-11-23	4	Working principle of Multimeter with Basic Block diagram
	2nd	30-11-23	4	CRO, working principle of CRO with simple Block diagram
Sixteenth	1st	4-12-23	4	Working principle of Multimeter with Basic Block diagram
	2nd	7-12-23	4	CRO, working principle of CRO with simple Block diagram


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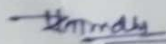

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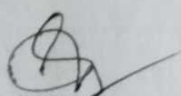
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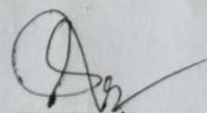
LESSON PLAN

DISCIPLINE: MATH AND SCIENCE		SEMESTER: 3rd		NAME OF THE TEACHING FACULTY: RAMACHANDRA PRADHAN	
SUBJECT: Engineering Mechanics (H4)		NO. OF CLASSES ALLOTTED PER WEEK: 05		SEMESTER FROM DATE: 16-08-2023 TO DATE: 09-01-2024	
				BRANCH- ETC & Mech SEC- B	
				NO. OF WEEKS: 16	
WEEKS	CLASS DAYS	DATE	UNIT	THEORY	REMARK
1st	1st	16-08-23	1	Definition of Mechanics, statics, Dynamics	
	2nd	17-08-23	1	Definition of Mechanics, statics, Dynamics	
	3rd	18-08-23	1	Rigid Bodies, Force system, classification	
	4th				
	5th				
2nd	1st	21-08-23	1	Rigid Bodies, Force system, classification	
	2nd	22-08-23	1	characteristics & effect of force	
	3rd	23-08-23	1	characteristics & effect of force	
	4th	24-08-23	1	Principle of Transmissibility & Superposition	
	5th	25-08-23	1	Action & Reaction, forces & Concepts of FBD.	
3rd	1st	04-09-23	1	Action & Reaction forces & Concepts of FBD.	
	2nd	05-09-23	1	Resolution of a force, Method of Resolution.	
	3rd	07-09-23	1	Resolution of a force, Method of Resolution.	
	4th	08-09-23	1	Types of Component forces, Composition of force.	
	5th				
4th	1st	11-09-23	1	Types of Component forces, Composition of force.	
	2nd	12-09-23	1	Resultant force, Method of Composition of force.	
	3rd	13-09-23	1	Analytical Method.	
	4th	14-09-23	1	Graphical Method	
	5th	15-09-23	1	Moment of force, Geometrical Meaning.	
5th	1st	25-09-23	1	Measurement & classification of Moments.	
	2nd	26-09-23	1	Law of Moments, Varignon's Theorem.	
	3rd	27-09-23	1	Law of Moments, Varignon's Theorem.	
	4th	29-09-23	1	Couple, Measurement of Couple, properties of couple.	
	5th	30-09-23		problem solving.	
6th	1st	03-10-23	2	Equilibrium, Condition of Equilibrium.	
	2nd	04-10-23	2	Analytical & Graphical Condition of equilibrium.	
	3rd	05-10-23	2	Free body Diagram.	
	4th	06-10-23	2	Lami's Theorem Statement	
	5th				
7th	1st	09-10-23	2	Description of Lami's Theorem.	
	2nd	10-10-23	2	Description of Lami's Theorem.	
	3rd	11-10-23	2	Application for solving various Engg. problems.	
	4th	12-10-23	2	Application for solving various Engg. problems.	
	5th	13-10-23	2	problem solving.	
8th	1st	16-10-23	2	problem solving.	
	2nd	17-10-23	3	Friction, Frictional forces, Limiting frictional force.	
	3rd	18-10-23	3	Coefficient of friction, Angle of friction.	
	4th	19-10-23	3	Angle of Repose, Laws of Friction.	
	5th	20-10-23	3	Laws of Friction, Advantages of Friction.	

9th	1st	06-11-23	3	Disadvantages of friction, equilibrium of bodies on level plane.
	2nd	07-11-23	3	Equilibrium of bodies on level plane.
	3rd	08-11-23	3	Force applied on horizontal ^{fixed plane} (up/down).
	4th	09-11-23	3	Ladder
	5th	10-11-23	3	Wedge Friction
10th	1st	12-11-23	3	Problem Solving.
	2nd	14-11-23	4	Centroid, Moment of an area about axes.
	3rd	15-11-23	4	Centroid of geometrical figures.
	4th	16-11-23	4	Centroid of geometrical figures.
	5th	17-11-23	4	Centroid of composite figures.
11th	1st	20-11-23	4	Centroid of composite figures.
	2nd	21-11-23	4	Problem Solving.
	3rd	22-11-23	4	Problem Solving.
	4th	23-11-23	4	Moment of Inertia, parallel axis & perpendicular ^{axis} Theorem.
	5th	24-11-23	4	Parallel axis & perpendicular axis Theorem.
12th	1st	28-11-23	4	M.I of Plane Lamina
	2nd	29-11-23	4	M.I of Plane Lamina
	3rd	30-11-23	4	M.I of Different engineering Sections.
	4th	01-12-23	4	M.I. of Different engineering Sections.
	5th	02-12-23	4	Problem Solving.
13th	1st	04-12-23	4	Problem Solving.
	2nd	05-12-23	5	Simple Machine, Velocity Ratio.
	3rd	06-12-23	5	Simple & Compound lifting machine.
	4th	07-12-23	5	Define V.R, V.R
	5th	08-12-23	5	Law of Machine, Reversibility of machine
14th	1st	11-12-23	5	Self Locking M/C, simple pulley & wheel
	2nd	12-12-23	5	Single purchase Crab winch & Double
	3rd	13-12-23	5	Worm & Worm wheel, screw Jack
	4th	14-12-23	5	Types of Hoisting M/C like derrick etc.
	5th	15-12-23	5	Use and working principle of Hoisting M/C
15th	1st	18-12-23	5	Use and working principle of Hoisting M/C
	2nd	19-12-23	6	Kinetic & kinematic, principle of Dynamics.
	3rd	20-12-23	6	Kinetic & kinematic, principle of Dynamics.
	4th	21-12-23	6	Newton's Law of motion, motion of particle.
	5th	22-12-23	6	Equations of motion, De-Alembert's principle.
16th	1st	01-01-24	6	Work, Power, Energy & it's Engg. Applications.
	2nd	02-01-24	6	Kinetic & Potential energy it's applications.
	3rd	03-01-24	6	Kinetic & potential energy it's applications.
	4th	04-01-24	6	Momentum & impulse, Conservation of Energy.
	5th	05-01-24	6	Collision of elastic bodies, and Coefficient of Restitution.


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