

**Lesson plan of 2025-26**  
**(1<sup>st</sup> SEMESTER)**

<b>DEPARTMENT:</b> MATH & SCIENCE	<b>SEMESTER:1st</b>	<b>NAME OF THE TEACHING FACULTY:</b> G. BALA KRUSHNA REDDY, SANJUKTA DAS
<b>SUBJECT:</b> Communication Skills in English	<b>NO.OF CLASSES ALLOTTED PER WEEK: 3</b>	<b>SEMESTER FROM:</b> 06/08/2025 To 04/12/2025 <b>NO.OF WEEKS:15</b>
<b>WEEK</b>	<b>CLASS DAY</b>	<b>THEORY TOPICS</b>
1 <sup>st</sup>	1 <sup>st</sup>	Basics of communication: Introduction, meaning
	2 <sup>nd</sup>	Definition, process of communication
	3 <sup>rd</sup>	Types of communication: formal and informal
2 <sup>nd</sup>	1 <sup>st</sup>	Verbal, non-verbal and barriers to effective communication
	2 <sup>nd</sup>	7 Cs for effective communication (considerate, concrete, concise, clear, complete, correct, courteous)
	3 <sup>rd</sup>	Art of Effective communication : Choosing words, Voice, Modulation
3 <sup>rd</sup>	1 <sup>st</sup>	Art of Effective communication : Clarity, Time, Simplification of words
	2 <sup>nd</sup>	Technical Communication
	3 <sup>rd</sup>	Introduction: Soft Skills and Hard Skills
4 <sup>th</sup>	1 <sup>st</sup>	Importance of Soft Skills
	2 <sup>nd</sup>	Life Skills: Self-awareness and Self-analysis
	3 <sup>rd</sup>	Applying Soft Skills across cultures
5 <sup>th</sup>	1 <sup>st</sup>	Class test & Previous class discussion
	2 <sup>nd</sup>	Comprehension, vocabulary enhancement
	3 <sup>rd</sup>	Grammar exercises based on reading
6 <sup>th</sup>	1 <sup>st</sup>	“An Astrologer’s Day”
	2 <sup>nd</sup>	“An Astrologer’s Day” & Discussion
	3 <sup>rd</sup>	“The Missing Mail”
7 <sup>th</sup>	1 <sup>st</sup>	“The Missing Mail” & Discussion
	2 <sup>nd</sup>	” Doctor’s Word” & Discussion
	3 <sup>rd</sup>	“The Gift of the Magi” & Discussion
8 <sup>th</sup>	1 <sup>st</sup>	“Stopping by Woods on a Snowy Evening”
	2 <sup>nd</sup>	“Stopping by Woods on a Snowy Evening& Discussion
	3 <sup>rd</sup>	“Where the Mind is Without Fear”
9 <sup>th</sup>	1 <sup>st</sup>	Where the Mind is Without Fear”& Disussion

	2 <sup>nd</sup>	Summary writing
	3 <sup>rd</sup>	Report writing
10 <sup>th</sup>	1 <sup>st</sup>	Letters: Business
	2 <sup>nd</sup>	Letters: Personal
	3 <sup>rd</sup>	Drafting e-mail
11 <sup>th</sup>	1 <sup>st</sup>	Drafting notices
	2 <sup>nd</sup>	Drafting Minutes of a Meeting
	3 <sup>rd</sup>	Filling-up different forms :Banks,Reservation forms,etc
12 <sup>th</sup>	1 <sup>st</sup>	Filling-up different forms :On-line forms for placement
	2 <sup>nd</sup>	Class Test & Discussion
	3 <sup>rd</sup>	Vocabulary of commonly used words
13 <sup>th</sup>	1 <sup>st</sup>	Vocabulary of commonly used words & discussion
	2 <sup>nd</sup>	Commonly used administrative terms
	3 <sup>rd</sup>	One-word substitution
14 <sup>th</sup>	1 <sup>st</sup>	Parts of Speech
	2 <sup>nd</sup>	Parts of Speech & discussion
	3 <sup>rd</sup>	Active and Passive voice
15 <sup>th</sup>	1 <sup>st</sup>	Active and Passive voice & discussion
	2 <sup>nd</sup>	Tenses
	3 <sup>rd</sup>	Punctuation

**G.BALAKRUSHNA REDDY**  
SIGNATURE OF THE FACULTY

**SANJUKTA DAS**  
SIGNATURE OF THE FACULTY

# LESSON PLAN APPLIED PHYSICS-I

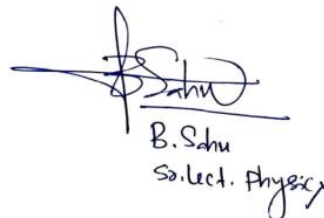
<b>DISCIPLINE:</b> Math & Science	<b>SEMESTER:</b> 1 <sup>st</sup> Winter 2025	<b>NAME OF THE TEACHING FACULTY:</b> BINAYAK SAHU (Sr. Lecturer) MANASWINEE PATNAIK (Lecturer Stage-II)
--------------------------------------	---	---

Subject:Applied Physics-I	No. Of. Classes Allotted Per Week:04	Semester From 06/08/2025 to 04/12/2025
WEEK	CLASSDAY	THEORY
1 <sup>st</sup>	1 <sup>st</sup>	Physical quantities, fundamental and derived units, systems of units
	2 <sup>nd</sup>	Dimension and Dimensional formulae of physical quantities.
	3 <sup>rd</sup>	Principle of homogeneity, Dimensional equations & their applications(Conversion from one system of units to other)
	4 <sup>th</sup>	Checking of Correctness of dimensional equations
2 <sup>nd</sup>	1 <sup>st</sup>	Derivation of simple equations, Limitation of dimensional analysis
	2 <sup>nd</sup>	Measurements ,Need, Measuring instruments, Least count, Types of measurements(direct & indirect),
	3 <sup>rd</sup>	Errors in measurements(systematic and random), Types of errors
	4 <sup>th</sup>	Error estimation,Numericals
3 <sup>rd</sup>	1 <sup>st</sup>	Error propagation, Numerical, Significant figures
	2 <sup>nd</sup>	Classnote & Assignment Checking
	3 <sup>rd</sup>	Scalar & vector quantities with examples, representation of vector, types of vectors
	4 <sup>th</sup>	Addition and subtraction of vectors, Triangle and parallelogram law(statement only), numericals
4 <sup>th</sup>	1 <sup>st</sup>	Scalar and vector product, numericals
	2 <sup>nd</sup>	Resolution of a vector and its application to inclined plane and lawn roller, numericals
	3 <sup>rd</sup>	Class Note & Assignment Checking
	4 <sup>th</sup>	Force, momentum, statement and derivation of conservation of linear momentum
5 <sup>th</sup>	1 <sup>st</sup>	Its applications such as recoil of gun, rockets
	2 <sup>nd</sup>	Impulse and its applications
	3 <sup>rd</sup>	Circular motion, definition of angular displacement, angular velocity, angular acceleration, frequency, time period
	4 <sup>th</sup>	Relation between linear and angular velocity,linear acceleration and angular acceleration, Numericals
6 <sup>th</sup>	1 <sup>st</sup>	Centripetal and centrifugal forces with examples
	2 <sup>nd</sup>	Expression and applications such as banking of roads and bending of cyclist
	3 <sup>rd</sup>	Work concept and units, Examples of zero work, positive work and negative work
	4 <sup>th</sup>	Friction concept, Types of friction, laws of limiting friction

7 <sup>th</sup>	1 <sup>st</sup>	coefficient of friction, reducing friction and its engineering applications
	2 <sup>nd</sup>	Work done in moving an object on horizontal and inclined plane for rough and plane surfaces and related applications
	3 <sup>rd</sup>	Energy and its units, kinetic energy, gravitational potential energy with examples and derivations
	4 <sup>th</sup>	Mechanical energy, conservation of mechanical energy for freely falling bodies
8 <sup>th</sup>	1 <sup>st</sup>	Transformation of energy (examples)
	2 <sup>nd</sup>	Power and its units, power and work relationship
	3 <sup>rd</sup>	Calculation of power(numerical problems)
	4 <sup>th</sup>	Class note & Assignment Checking
9 <sup>th</sup>	1 <sup>st</sup>	Translational and rotational motions with examples
	2 <sup>nd</sup>	Definition of torque and angular momentum and their examples
	3 <sup>rd</sup>	Conservation of angular momentum (quantitative)and its applications
	4 <sup>th</sup>	NUMERICALS, moment of inertia and its physical significance
10 <sup>th</sup>	1 <sup>st</sup>	Radius of gyration for rigid body
	2 <sup>nd</sup>	Theorems of parallel and perpendicular axes(statements only)
	3 <sup>rd</sup>	Moment of inertia of rod, disc, ring and sphere(hollow and solid)
	4 <sup>th</sup>	Elasticity, definition of stress and strain, moduli of elasticity
11 <sup>th</sup>	1 <sup>st</sup>	Hooke's law, significance of stress-strain curve
	2 <sup>nd</sup>	Pressure definition, units, atmospheric pressure, gauge pressure, absolute pressure
	3 <sup>rd</sup>	Fortin's barometer and its applications
	4 <sup>th</sup>	Surface tension, concept, units, cohesive and adhesive forces
12 <sup>th</sup>	1 <sup>st</sup>	Angle of contact, ascent formula, numericals
	2 <sup>nd</sup>	Applications of surface tension, effect of temperature and impurity on surface tension
	3 <sup>rd</sup>	Viscosity and coefficient of viscosity, terminal velocity
	4 <sup>th</sup>	Stoke's law and effect of temperature on viscosity, application in hydraulic systems
13 <sup>th</sup>	1 <sup>st</sup>	Hydrodynamics: fluid motion, stream line and turbulent flow, Reynold's number equation of continuity
	2 <sup>nd</sup>	Bernoulli theorem and its applications, numericals
	3 <sup>rd</sup>	Concept of heat and temperature, scales of temperature and their relationship
	4 <sup>th</sup>	Modes of heat transfer(conduction, convection and radiation with examples)
14 <sup>th</sup>	1 <sup>st</sup>	Specific heats, numericals
	2 <sup>nd</sup>	Types of thermometers(mercury thermometer, bimetallic thermometer, platinum resistance thermometer, pyrometer)
	3 <sup>rd</sup>	Uses of thermometers
	4 <sup>th</sup>	Expansion of solids, liquids and gases
15 <sup>th</sup>	1 <sup>st</sup>	Coefficient of linear, surface and cubical expansions
	2 <sup>nd</sup>	Relation between expansion coefficients, numericals
	3 <sup>rd</sup>	Co-efficient of thermal conductivity, engineering applications
	4 <sup>th</sup>	Numericals & Assignment Checking



M. Pattnaik  
Lect. Stage-II Physics



B. Sahu  
So.lect. Physics

# LESSON PLAN

<b>DISCIPLINE:</b> MATH AND SCIENCE	<b>SEMESTER:</b> 1 <sup>st</sup>	<b>NAME OF THE TEACHING FACULTIES:</b> Shishir Kumar Naik Sankar Kumar Pradhan
---	----------------------------------	--

<b>SUBJECT:</b> MATHEMATICS-I	<b>NO. OF PERIODS PER WEEK</b>	<b>SEMESTER:</b> 06/08/2025 to 04/12/2025
<b>WEEK</b>	<b>CLASS DAY</b>	<b>THEORY</b>
1 <sup>ST</sup>	1 <sup>ST</sup>	INTRODUCTION TO TRIGONOMETRY CONCEPT OF ANGLES & MEASUREMENTS OF ANGLES
	2 <sup>ND</sup>	TRIGONOMETRICAL RATIOS OF ALLIED ANGLES
	3 <sup>RD</sup>	PROBLEMS BASED ON T-RATIOS
	4 <sup>TH</sup>	SUM & DIFFERENCE FORMULA OF TRIGONOMETRY & THEIR APPLICATIONS
2 <sup>ND</sup>	1 <sup>ST</sup>	SUM & DIFFERENCE FORMULA OF TRIGONOMETRY & THEIR APPLICATIONS
	2 <sup>ND</sup>	PROBLEMS RELATED TO SUM & DIFFERENCE FORMULA
	3 <sup>RD</sup>	PROBLEMS RELATED TO SUM & DIFFERENCE FORMULA
	4 <sup>TH</sup>	PRODUCT FORMULA
3 <sup>RD</sup>	1 <sup>ST</sup>	TRANSFORMATION OF PRODUCT FORMULA TO SUM & DIFFERENCE AND VICE-VERSA
	2 <sup>ND</sup>	MULTIPLE ANGLES
	3 <sup>RD</sup>	PROBLEMS BASED ON MULTIPLE ANGLES
	4 <sup>TH</sup>	PROBLEMS BASED ON MULTIPLE ANGLES
4 <sup>TH</sup>	1 <sup>ST</sup>	GRAPH RELATED TO TRIGONOMETRIC FUNCTIONS & EXPONENTIAL FUNCTIONS
	2 <sup>ND</sup>	PROBLEMS OF EXERCISE
	3 <sup>RD</sup>	DEFINITION OF RELATION & FUNCTION AND GRAPH OF DIFFERENT TYPE OF FUNCTION
	4 <sup>TH</sup>	CONCEPT OF LIMITS & STANDARD FORMULA OF LIMITS
5 <sup>TH</sup>	1 <sup>ST</sup>	PROBLEMS RELATED TO STANDARD FORMULA
	2 <sup>ND</sup>	PROBLEMS RELATED TO STANDARD FORMULA
	3 <sup>RD</sup>	PROBLEMS RELATED TO STANDARD FORMULA
	4 <sup>TH</sup>	DEFINITION OF DIFFERENTIATION &

		FINDING DERIVATIVES BY USING FIRST PRINCIPLE
6 <sup>TH</sup>	1 <sup>ST</sup>	FINDING DERIVATIVES BY USING FIRST PRINCIPLE
	2 <sup>ND</sup>	DIFFERTIATION OF SUM OF FUNCTIONS
	3 <sup>RD</sup>	PROBLEM RELATED TO SUM OF FUNCTIONS
	4 <sup>TH</sup>	DIFFERTIATION OF PRODUCT OF FUNCTIONS
7 <sup>TH</sup>	1 <sup>ST</sup>	PROBLEM RELATED TO PRODUCT OF FUNCTIONS
	2 <sup>ND</sup>	DIFFERTIATION OF QUOTIENT OF FUNCTIONS
	3 <sup>RD</sup>	PROBLEM RELATED TO QUOTIENT OF FUNCTIONS
	4 <sup>TH</sup>	DIFFERNTIATION OF COMPOSITE FUNCTIONS
8 <sup>TH</sup>	1 <sup>ST</sup>	PROBLEM RELATED TO COMPOSITE OF FUNCTIONS
	2 <sup>ND</sup>	DIFFERENTIATION OF TRIGONOMETRIC AND INVERSE TRIGONOMETRIC FUNCTIONS
	3 <sup>RD</sup>	PROBLEMS RELATED TO TRIGONOMETRIC AND INVERSE TRIGONOMETRIC FUNCTIONS
	4 <sup>TH</sup>	LOGARITHMIC DIFFERENTIATION
9 <sup>TH</sup>	1 <sup>ST</sup>	PROBLEMS RELATED TO LOGARITHMIC DIFFERENTIATION
	2 <sup>ND</sup>	DEFINITION OF REAL,IMAGINARY & COMPLEX NUMBER
	3 <sup>RD</sup>	ALGEBRA ON COMPLEX NUMBER
	4 <sup>TH</sup>	SIMPLE PROBLEMS RELATED TO PROBLEM ON ALGEBRA ON COMPLEX NUMBER
10 <sup>TH</sup>	1 <sup>ST</sup>	POLAR & CARTESIAN FORM OF COMPLEX NUMBER AND IT'S CONVERSION FROM ONE FORM TO ANOTHER
	2 <sup>ND</sup>	CONJUGATE,MODULUS & AMPLITUDE OF A COMPLEX NUMBER
	3 <sup>RD</sup>	DE MOIVRE'S THEOREM
	4 <sup>TH</sup>	PROBLEMS RELATED TO DE MOIVRE'S THEOREM
11 <sup>TH</sup>	1 <sup>ST</sup>	EXERCISES ON COMPLEX NUMBER
	2 <sup>ND</sup>	EXERCISES ON COMPLEX NUMBER
	3 <sup>RD</sup>	DEFINITION OF PROPER ,IMPROPER FRACTIONS & PARTIAL FRACTIONS
	4 <sup>TH</sup>	METHOD TO RESOLVE PROPER FRACTIONS INTO PARTIAL FRACTIONS WITH DENOMINATOR CONTAINING NON-REPEATED LINEAR FACTORS

12 <sup>TH</sup>	1 <sup>ST</sup>	PROBLEMS OF PARTIAL FRACTIONS WITH DENOMINATOR CONTAINING NON-REPEATED LINEAR FACTORS
	2 <sup>ND</sup>	METHOD TO RESOLVE PROPER FRACTIONS INTO PARTIAL FRACTIONS WITH DENOMINATOR CONTAINING REPEATED LINEAR FACTORS
	3 <sup>RD</sup>	PROBLEMS OF PARTIAL FRACTIONS WITH DENOMINATOR CONTAINING REPEATED LINEAR FACTORS
	4 <sup>TH</sup>	PARTIAL FRACTION WITH NON REPEATED QUADRATIC FACTORS
13 <sup>TH</sup>	1 <sup>ST</sup>	PROBLEMS OF PARTIAL FRACTION WITH NON REPEATED QUADRATIC FACTORS
	2 <sup>ND</sup>	PARTIAL FRACTION OF IMPROPER FRACTION
	3 <sup>RD</sup>	PROBLEMS RELATED TO IMPROPER FRACTION
	4 <sup>TH</sup>	DEFINITION OF PERMUTATION & COMBINATION. FINDING VALUE OF ${}^n P_r$ & ${}^n C_r$
14 <sup>TH</sup>	1 <sup>ST</sup>	SIMPLE EXAMPLES RELATED TO ${}^n P_r$ & ${}^n C_r$
	2 <sup>ND</sup>	BINOMIAL THEOREM FOR POSITIVE INTEGRAL INDEX
	3 <sup>RD</sup>	PROBLEM RELATED TO BINOMIAL THEOREMS
	4 <sup>TH</sup>	PROBLEM RELATED TO BINOMIAL THEOREMS
15 <sup>TH</sup>	1 <sup>ST</sup>	BINOMIAL THEOREM FOR ANY INDEX
	2 <sup>ND</sup>	PROBLEM RELATED TO BINOMIAL THEOREM FOR ANY INDEX
	3 <sup>RD</sup>	DOUBT CLEARING CLASSES
	4 <sup>TH</sup>	DOUBT CLEARING CLASSES



S K Pradhan  
Guest Faculty Mathematics



S. K. Naik  
Lecturer Mathematics

# LESSON PLAN

<b>DISCIPLINE:</b> MATH AND SCIENCE	<b>SEMESTER:</b> FIRST (Common to 1st & 2nd sem)	<b>NAME OF THE TEACHING FACULTIES:</b> MISS DIPTI LAXMI BHUYAN, Sr. LECTURER MISS RASMI PRABHA SAHU, LECTURER
--	--	---

<b>SUBJECT:</b> Environmental Science Course Code-TH 5(a)		<b>SEMESTER FROM:</b> 06/08/2025 <b>TO</b> 04/12/2025
<b>COURSE OUTCOMES</b>		<p>At the end of the course student will be able to</p> <ol style="list-style-type: none"> <li>1. Understand the ecosystem and terminology and solve various engineering problems applying ecosystem knowledge to produce eco-friendly products.</li> <li>2. Understand the suitable air, extent of noise pollution, and control measures and acts.</li> <li>3. Understand the water and soil pollution, and control measures and acts.</li> <li>4. Understand different renewable energy resources and efficient process of harvesting.</li> <li>5. Understand solid Waste Management, ISO 14000 &amp; Environmental Management.</li> </ol>
<b>WEEK</b>	<b>NO. OF DAYS PER WEEK CLASS</b>	<b>THEORY</b>
<b>1<sup>st</sup></b>	<b>1<sup>ST</sup></b>	<b>Ecosystem</b> <ul style="list-style-type: none"> <li>- Introduction to environmental science</li> <li>- Structure of ecosystem.</li> </ul>
	<b>2<sup>ND</sup></b>	<ul style="list-style-type: none"> <li>- Biotic &amp; Abiotic components Food chain and food web.</li> </ul>
	<b>3<sup>RD</sup></b>	<ul style="list-style-type: none"> <li>- Aquatic (Lentic and Lotic)</li> </ul>
	<b>4<sup>TH</sup></b>	<ul style="list-style-type: none"> <li>- Terrestrial ecosystem Carbon Cycle</li> </ul>

2 <sup>nd</sup>	1 <sup>ST</sup>	- , Nitrogen cycle., Sulphur Cycle
	2 <sup>ND</sup>	- Phosphorus cycle..
	3 <sup>RD</sup>	- Global warming, Causes, effects, process
	4 <sup>TH</sup>	- Green House Effect, Ozone depletion.
3 <sup>rd</sup>	1 <sup>ST</sup>	- General discussion and doubt clearing.
	2 <sup>ND</sup>	- <b>Air and, Noise Pollution</b> - Definition of pollution and pollutant, Natural and man-made sources of air pollution (Refrigerants, I.C., Boiler)
	3 <sup>RD</sup>	- Air Pollutants: Types, Particulate Pollutants: Effects. Control of air pollution.
	4 <sup>TH</sup>	- Bag filter, Cyclone separator.
4 <sup>th</sup>	1 <sup>ST</sup>	- Electrostatic Precipitator, Gaseous Pollution Control.
	2 <sup>ND</sup>	- Absorber, Catalytic Converter
	3 <sup>RD</sup>	- Effects of air pollution due to Refrigerants, I.C., Boiler
	4 <sup>TH</sup>	- Noise pollution: sources of pollution.
5 <sup>th</sup>	1 <sup>ST</sup>	- Measurement of pollution level, Effects of Noise pollution.
	2 <sup>ND</sup>	- Noise pollution (Regulation and Control) Rules, 2000.
	4 <sup>TH</sup>	- General discussion and doubt clearing.
6 <sup>th</sup>	1 <sup>ST</sup>	- <b>Water and Soil Pollution</b> - Sources of water pollution, Types of water pollutants.
	2 <sup>ND</sup>	- Characteristics of water pollutants Turbidity, pH,
	3 <sup>RD</sup>	- total suspended solids - Total solids.
	4 <sup>TH</sup>	- BOD and COD: Definition, calculation
7 <sup>th</sup>	1 <sup>ST</sup>	- Waste Water Treatment. - Primary methods: froth floatation
	2 <sup>ND</sup>	- Waste Water Treatment. - Primary methods: froth floatation
	3 <sup>RD</sup>	- Secondary methods: Activated sludge treatment,.
	4 <sup>TH</sup>	- Trickling filter , Bioreactor
8 <sup>th</sup>	1 <sup>ST</sup>	- Tertiary Method: Membrane separation technology, RO (reverse osmosis)

	2 <sup>ND</sup>	- Causes, Effects and Preventive measures of Soil Pollution
	3 <sup>RD</sup>	- Causes-Excessive use of Fertilizers, Pesticides and Insecticides, Irrigation, E-Waste.
	4 <sup>TH</sup>	- General discussion and doubt clearing.
9 <sup>th</sup>	1 <sup>ST</sup>	<b>Renewable sources of Energy Solar Energy:</b> - Sources of energy, Renewable and non-renewable sources of energy. - Basics of Solar energy.
	2 <sup>ND</sup>	- Flat plate collector (Liquid & Air). Theory of flat plate collector.
	3 <sup>RD</sup>	- Importance of coating. Advanced collector.
	4 <sup>TH</sup>	- Solar pond. Solar water heater, solar dryer. Solar stills.
10 <sup>th</sup>	1 <sup>ST</sup>	- Biomass: Overview of biomass as energy source. Thermal characteristics of biomass as fuel. Anaerobic digestion.
	2 <sup>ND</sup>	- Biogas production mechanism. Utilization and storage of biogas.
	3 <sup>RD</sup>	- Wind energy: Current status and future prospects of wind energy. Wind energy in India. - Environmental benefits and problem of wind energy.
	4 <sup>TH</sup>	- New Energy Sources: Need of new sources. Different types new energy sources.
11 <sup>th</sup>	1 <sup>ST</sup>	- Applications of (Hydrogen energy, Ocean energy resources, Tidal energy conversion.)
	2 <sup>ND</sup>	- Concept, origin and power plants of geothermal energy.
	3 <sup>RD</sup>	- General discussion and doubt clearing.
	4 <sup>TH</sup>	<b>Solid Waste Management, ISO 14000 &amp; Environmental Management</b> - Solid waste generation- - Sources and characteristics of waste Municipal solid waste
12 <sup>th</sup>	1 <sup>ST</sup>	- E- Waste, bio- medical waste. - Sources, effect, control.
	2 <sup>ND</sup>	- Metallic wastes and Non-Metallic wastes (lubricants, plastics, rubber) from industries.
	3 <sup>RD</sup>	- Collection and disposal: MSW (3R, principles, energy recovery, sanitary landfill)
	4 <sup>TH</sup>	- Hazardous waste. Air quality act 2004.
13 <sup>th</sup>	1 <sup>ST</sup>	- Air pollution control act 1981 and water pollution control act 1996 - Case studied.
	2 <sup>ND</sup>	- Structure and role of Central and state pollution control board. - Case studied
	3 <sup>RD</sup>	- Concept of Carbon Credit, Carbon Footprint.
	4 <sup>TH</sup>	- International submits on carbon credit, Current status of carbon foot print.

14 <sup>th</sup>	1 <sup>ST</sup>	- Environmental management in fabrication industry
	2 <sup>ND</sup>	- ISO14000: Implementation in industries, Benefits
	3 <sup>RD</sup>	- General discussion and doubt clearing.
	4 <sup>TH</sup>	- Revision/ Previous year question discussion.
15 <sup>th</sup>	1 <sup>ST</sup>	- Revision/ Previous year question discussion
	2 <sup>ND</sup>	- Revision/ Previous year question discussion
	3 <sup>RD</sup>	- Revision/ Previous year question discussion
	4 <sup>TH</sup>	- Revision/ Previous year question discussion



**Miss Dipti Laxmi Bhuyan**  
Sr. Lecturer, Chemistry



**Signature of HOD**  
Math & Science dept.  
UCPES, BAM