

Lesson Plan : Jan-Jun 2024

Sub:	EEE Electrical Engrg.		Sem: 2nd Semester	Branch: civil
Unit:	Lecture	Topic	Remarks	
1	1	Passive Active Components		
	2	Resistances		
	3	Capacitors		
	4	Inductors		
	5	Diodes, Transistors		
	6	FET, MOS and CMOS and their Applications		
	7	Signals: DC/AC, voltage/current, periodic/non- periodic signals		
	8	average, rms, peak values		
	9	different types of signal waveforms		
	10	Ideal/non-ideal voltage/current sources		
	11	Independent/dependent voltage sources		
	12	independent/dependent current sources		
2	13	Operational Amplifiers- Ideal Op-Amp		
	14	Practical op amp		
	15	Open loop and closed loop configurations		
	16	Open loop and closed loop configurations		
	17	Application of Op-Amp as amplifier		
	18	Application of Op-Amp as adder		
	19	Application of Op-Amp as differentiator		
	20	Application of Op-Amp as integrator.		
3	21	Introduction to Boolean Algebra		
	22	Electronic Implementation of Boolean Operations		
	23	Gates-Functional Block Approach		
	24	Gates-Functional Block Approach		
	25	Storage elements-Flip Flops-A Functional block approach		
	26	Storage elements-Flip Flops-A Functional block approach		
	27	Counters		
	28	Counters		
	29	Introduction to digital IC Gates (of TTL Type)		
	30	Introduction to digital IC Gates (of TTL Type)		
4	31	EMF, Current		
	32	Potential Difference, Power and Energy		
	33	M.M.F, magnetic force		
	34	permeability, hysteresis loop		
	35	reluctance, leakage factor		
	36	BH curve		
	37	Electromagnetic induction, Faraday's laws ofelectromagnetic induction		
	38	Lenz's law		
	39	Dynamically induced emf		
	40	Statically induced emf		
	41	Equations of self and mutual inductance		
	42	Analogy between electric and magnetic circuits		
	43	Cycle, Frequency, Periodic time		
	44	Amplitude, Angular velocity, RMS value		
	45	Average value, Form Factor Peak Factor, impedance		
	46	phase angle, and power factor		
	47	Mathematical and phasor representation of alternating emf and current		

5	48	Mathematical and phasor representation of alternating emf and current	
	49	Voltage and Current relationship in Star and Delta connections	
	50	Voltage and Current relationship in Star and Delta connections	
	51	A.C in resistors, inductors and capacitors	
	52	A.C in resistors, inductors and capacitors	
	53	A.C in R-L series, R-C series, R-L-C series and parallel circuits	
	54	A.C in R-L series, R-C series, R-L-C series and parallel circuits	
	55	A.C in R-L series, R-C series, R-L-C series and parallel circuits	
6	56	Power in A. C. Circuits. power triangle.	
	57	General construction and principle of core type of transformers	
	58	General construction and principle of shell type of transformers	
	59	Emf equation	
	60	transformation ratio of transformer	
	61	Auto transformers	
	62	Basic principle of Electromechanical energy conversion.	
	63	Revision	
64	Revision		

Neha
Signature of Teacher

Agarwal
HOD
30/07/22

LESSON PLAN

Session : Jan 2024 - May 2024

Branch: Civil Engineering

Year/Semester : Ist / 2nd

Subject : Engineering Mechanics

S.No	Month	Weeks	Date	Name of the chapter	Contents to be taught	Remarks
1	Feb.	1st	1,2 & 3	Basics of mechanics and force system	Significance and relevance of Mechanics, Applied mechanics	
		2nd	5, 8 & 9		Statics, Dynamics, Space, time, mass, particle, flexible body and rigid body (scalar and vector quantity, Units of measurement (SI units) - Fundamental units and derived units -	
		3rd	13, 15, 16 & 17		Force - unit, representation as a vector and by free's rotation, characteristics and effects of a force, Principle of transmissibility of force, Force system and its classification	
		4th	20, 22, 23 & 24		Resolution of a force - Orthogonal components of a force, moment of a force, Varignon's Theorem	
		5th	27 & 29		Composition of forces - Resultant, analytical method for determination of resultant for concurrent, non-concurrent and parallel co-planar force systems	
2	March	1st	1,2 & 5 & 7	Equilibrium	Law of triangle, parallelogram and polygon of forces	
		2nd	8, 12 & 14		Equilibrium and Equibrant, Free body and Free body diagram, Analytical and graphical method of analyzing equilibrium	
		3rd	16, 19 & 21		Lami's Theorem - statement and explanation, Application for various engineering problems.	Class Test - I
		4th	22, 23, 26 & 28		Types of beam, supports (simple, hinged, roller and fixed) and loads acting on beam (vertical point load, uniformly distributed load), Beam reaction for cantilever, simply supported beam with or without overhang - subjected to combination of Point load and uniformly distributed load.	
		5th	29 & 30		Beam reaction graphically for simply supported beam subjected to vertical point loads only.	
3	April	1st	2, 4 & 5 & 6	Friction	Friction and its relevance in engineering, types and laws of friction.	
		2nd	9, 11 & 12		Limiting equilibrium, limiting friction, co-efficient of friction, angle of friction, angle of repose, relation between co-efficient of friction and angle of friction.	
		3rd	16, 18, 19 & 20		Equilibrium of bodies on level surface subjected to force parallel and inclined to plane, Equilibrium of bodies on inclined plane subjected to force parallel to the plane only.	Class Test - II
		4th	23, 25, 26 & 27	Centroid and centre of gravity	Centroid of geometrical plane figures (square, rectangle, triangle, circle, semi-circle, quarter circle).	
		5th	30		Centroid of composite figures composed of not more than two geometrical figures.	
4	May	1st	2, 3 & 4	Simple lifting machine	Centre of Gravity of simple solids (Cube, cuboid, cone, cylinder, sphere, hemisphere) Centre of Gravity of composite solids composed of not more than two simple solids.	
		2nd	7, 8 & 10		Simple lifting machine, load, effort, mechanical advantage, applications and advantages.	
		3rd	14, 16, 17 & 18		Velocity ratio, efficiency of machines, law of machine, ideal machine, friction in machine, maximum Mechanical advantage and efficiency, reversible and non-reversible machines, conditions for reversibility.	House Test
		4th	21, 23, 24 & 25		Velocity ratios of Simple axle and wheel, Differential axle and wheel, Worm and worm wheel, Simple screw jack	


TEJENDRA


 27/01/2024

GOVT. POLYTECHNIC SUNDER NAGAR

LESSON PLAN

SESSION:- JAN, 2024 - JUNE 2024

SUBJECT : ENGINEERING MECHANICS (LAB)

SEMESTER :- 2ND

TRADE: CIVIL ENGINEERING

CONTENT

REMARKS

S. NO.	MONTH	WEEK	DATE G-I	DATE G-II	CONTENT	REMARKS
1	JAN	5th	29	-	To study various equipments related to Engineering Mechanics.	
2	FEB	1st		1	To study various equipments related to Engineering Mechanics.	
		2nd	5	8	To find the M.A., V.R., Efficiency and law of machine for Differential Axle and Wheel.	
		3rd	12	15	To find the M.A., V.R., Efficiency and law of machine for Differential Axle and Wheel.	
		4th	19	22	To find the M.A., V.R., Efficiency and law of machine for Simple Screw Jack.	
		5th	26	29	To find the M.A., V.R., Efficiency and law of machine for Simple Screw Jack.	
3	MARCH	1st	4	7	Derive Law of machine using Worm and worm wheel.	
		2nd	11	14	Derive Law of machine using Worm and worm wheel.	1st CLASS TEST
		3rd	18	21	Determine resultant of concurrent force system applying Law of Polygon of forces using force table.	
		4th	25	28	Determine resultant of concurrent force system graphically.	
4	APRIL	1st	1	4	Determine resultant of parallel force system graphically.	
		2nd	8	11	Verify Lam's theorem.	2nd CLASS TEST
		3rd	15	18	Study forces in various members of Jib crane.	
		4th	22	25	Determine support reactions for simply supported beam.	
		5th	29		Obtain support reactions of beam using graphical method.	
5	MAY	1st		2	Obtain support reactions of beam using graphical method.	HOUSE TEST
		2nd	6	9	Determine coefficient of friction for motion on horizontal and inclined plane.	
		3rd	13	16	Determine centroid of geometrical plane figure.	
		4th	20	23	Determine centroid of geometrical plane figure.	

Jejender
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(M.E)
27/01/24

LESSON PLAN

ProgramName	Diploma
Course/SubjectName	Environmental Science
Course/SubjectCode	AU102(Th)
Course/SubjectCoordinatorName	Mrs. Nisha Sharma

Evaluation scheme

S.No.	SubjectName	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Environmental Science	2(Th)	40		60	
Reference books			(i) S.C Sharma & M.P. Poonia, Environmental Studies, Khanna Publishing House, New Delhi			
			(ii) C.N.R Rao, Understanding Chemistry, University Press (India) Pvt. Ltd. 2011			
			(iii) Nazaroff, William, Cohen, Lisa, EnvirEngi. Sci. Willy New York, 2000, ISBN10: 0471144940			
			(iv) OP Gupta, Elements of Environmental Pollution Control, Khanna Publishing House New Delhi			
			(v) Keshav Kant, Air Pollution and Control, Khanna Publishing House, New Delhi (2018)			
Open Source Software and Website Address			(i) www.eco-prayer.org			
			(ii) www.cpcp.nic.in			
			(iii) www.indianenvironmentalportal.org.in			

Course Outcomes: After the completion of the course the student will be able to

CO1	Understand the ecosystem and terminology and solve various engineering problems applying ecosystem knowledge to produce eco – friendly products.
CO2	Understand the suitable air, extent of noise pollution, and control measures and acts.
CO3	Understand the water and soil pollution, and control measures and acts
CO4	Understand different renewable energy resources and efficient process of harvesting.
CO5	Understand solid Waste Management, ISO 14000 & Environmental Management.

Teaching Plan:

Lecture No.	Name of topic	Actual date	Remarks
1	Unit-1 Ecosystem: Structure of ecosystem, Biotic & Abiotic components		
2	Food chain and food web Aquatic (Lentic and Lotic) and terrestrial ecosystem		
3	Carbon, Nitrogen, Sulphur, Phosphorus cycle.		
4	Global warming -Causes, effects, process, Green House Effect		
5	Ozone depletion.		
6	Unit- 2 Air and, Noise Pollution: Definition of pollution and pollutant, Natural and manmade sources of air pollution		
7	(Refrigerants, I.C., Boiler) ,Air Pollutants: Types, Particulate Pollutants: Effects and control (Bag filter, Cyclone separator, Electrostatic Precipitator).		
8	Gaseous Pollution Control: Absorber, Catalytic Converter, Effects of air pollution due to Refrigerants, I.C., Boiler.		
9	Noise pollution: sources of pollution, measurement of pollution level, Effects of Noise pollution, Noise pollution		
10	(Regulation and Control) Rules, 2000.		
11	Unit- 3 Water and Soil Pollution: Sources of water pollution, Types of water pollutants, Characteristics of water pollutants Turbidity, pH, total suspended solids,		
12	Total solids BOD and COD: Definition, calculation.		
13	Waste Water Treatment: Primary methods: sedimentation, froth floatation, Secondary methods: Activated sludge treatment,		
14	Trickling filter, Bioreactor, Tertiary Method: Membrane separation technology, RO (reverse osmosis).		
15	Causes, Effects and Preventive measures of Soil Pollution: Causes- Excessive use of Fertilizers, Pesticides and Insecticides, Irrigation,		
16	E-Waste.		
17	Unit- 4 Renewable sources of Energy: Solar Energy: Basics of Solar energy. Flat plate collector (Liquid & Air). Theory of flat plate collector. Importance of coating.		
18	Advanced collector. Solar pond. Solar water heater, solar dryer. Solar stills.		
19	Biomass: Overview of biomass as energy source. Thermal characteristics of biomass as fuel. Anaerobic digestion. Biogas production mechanism. Utilization and storage of biogas.		
20	Wind energy: Current status and future prospects of wind energy. Wind energy in India. Environmental benefits and problem of wind energy.		
21	New Energy Sources: Need of new sources. Different types new		

	energy sources. Applications of (Hydrogen energy, Ocean energy resources, Tidal energy conversion.)		
22	Concept, origin and power plants of geothermal energy.		
23	Unit-5 Solid Waste Management , ISO 14000 & Environmental Management Solid waste generation- Sources and characteristics of: Municipal solid waste, E- waste, bio- medical waste.		
24	Metallic wastes and Non-Metallic wastes (lubricants, plastics, rubber) from industries.		
25	Collection and disposal: MSW (3R, principles, energy recovery, sanitary landfill), Hazardous		
26	Waste Air quality act 2004, air pollution control act 1981 and water pollution and control act 1996. Structure and role of Central and state pollution control board.		
27	Concept of Carbon Credit, Carbon Footprint. Environmental management in fabrication industry.		
28	ISO14000: Implementation in industries, Benefits.		

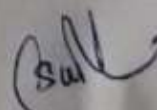
Assignments:

Assignment serial	Contents of syllabus covered	Actual date	Remarks
A-1	Ecosystem, Air, Noise, Water and Soil Pollution		
A-2	Renewable Sources of energy		
A-3	Solid Waste Management		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Actual date	Remarks
CT-I	30% of the syllabus		
CT-II	Next 30% of the syllabus		
House Test	80% of the syllabus		

Signature of Teacher


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LESSON PLAN

Program Name	CIVIL ENGG
Course/Subject Name	Applied Physics-II
Course/Subject Code	BS-104 & BS-106
Course/Subject Coordinator Name	Monika

Evaluation scheme

S.No.	Subject Name	Study scheme (Hrs/Week)	Marks in evaluation scheme			
			Internal Assessment		External Assessment	
			Theory	Practical	Theory	Practical
1.	Applied physics-II & Applied Physics-II Lab	(TH) (3+1) (DCS) + 2 (Lab)	40	40	60	60
Reference books:		(i) Fundamental of Physics By Halliday/Resnick/Walker (ii) New simplified Physics by S.L. Arora (iii) Applied Physics, Vol. I and Vol. II, TTTI Publications, Tata McGraw Hill, Delhi (iv) Engineering Physics by DK. Bhattacharya & Poonam Tandan, Oxford University Press, New Delhi				

Course Outcomes: After the completion of the course the student will be able to

CO1	Describe waves and wave motion, periodic and simple harmonic motions and solve simple problems.
CO2	Explain ultrasonic waves and engineering, medical and industrial applications of Ultrasonic. Apply acoustics principles to various types of buildings for best sound effect.
CO3	Describe the refractive index of a liquid or a solid and will be able to explain conditions for total internal reflection.
CO4	Define capacitance and its unit, explain the function of capacitors in simple circuits, and solve simple problems.
CO5	Differentiate between insulators, conductors and semiconductors, and define the terms: potential, potential difference, electromotive force.
CO6	Express electric current as flow of charge, concept of resistance, measure of the parameter: electric current, potential difference, resistance.
CO7	Explain the operation of appliances like moving coil galvanometer, simple DC motors.
CO8	Illustrate the conditions for light amplification in various LASER and laser based instruments and optical devices.
CO9	Appreciate the potential of optical fiber in fields of medicine and communication.

Teaching Plan:

Lecture No.	Topic Covered	Actual Date	Remarks
1	UNIT - 1: Wave motion and its applications- Wave motion, transverse and longitudinal waves with examples.		
2	Definitions of wave velocity, frequency and wavelength and their relationship.		
3	Sound and light waves and their properties.		
4	Wave equation ($y = r \sin(\omega t)$) amplitude, phase, phase difference, Principle of superposition of waves and beat formation.		
5	Simple Harmonic Motion (SHM): definition, expression for displacement, velocity.		
6	Acceleration, time period, frequency of SHM, Free, forced and		

Monika

	resonant vibrations and their examples	
7	Acoustics of buildings – reverberation, reverberation time, echo, noise, coefficient of absorption of sound	
8	Methods to control reverberation time and their applications	
9	Ultrasonic waves – Introduction and properties, engineering and medical applications of ultrasonic	
10	UNIT - 2: Optics -Basic optical laws- reflection and refraction	
11	Refractive index, images and image formation by mirrors.	
12	Lens and thin lenses, lens formula, power of lens, magnification	
13	Total internal reflection, Critical angle and conditions for total internal reflection, applications of total internal reflection in optical fiber.	
14	Optical instruments: simple and compound microscope	
15	Astronomical telescope in normal adjustment and their magnifying power	
16	UNIT - 3: Electrostatics -Coulomb's law, unit of charge	
17	Electric field, Electric lines of force and their properties.	
18	Electric flux, Electric potential and potential difference	
19	Gauss's law	
20	Capacitor and its working, Capacitance and its units: Capacitance of a parallel plate capacitor	
21	Series and parallel combination of capacitors (related numerical)	
22	Dielectric and its effect on capacitance, dielectric break down	
23	UNIT - 4: Current Electricity - Electric Current and its units, Direct and alternating current.	
24	Resistance and its units, Specific resistance, Conductance, Specific conductance	
25	Series and parallel combination of resistances	
26	Factors affecting resistance of a wire, carbon resistances and colour coding	
27	Ohm's law and its verification	
28	Kirchoff's laws, Concept of terminal potential difference and Electromotive force (EMF)	
29	Heating effect of current, Electric power, Electric energy and its unit (related numerical problems)	
30	Advantages of Electric Energy over other forms of energy.	
31	UNIT - 5: Electromagnetism - Types of magnetic materials: dia, para and ferromagnetic with their properties.	
32	Magnetic field and its units, magnetic intensity, magnetic lines of force, magnetic flux and units, magnetization	
33	Lorentz force (force on moving charge in magnetic field), Force on current carrying conductor.	
34	Moving coil galvanometer, principle, construction and working	
35	Conversion of a galvanometer into ammeter and voltmeter.	
36	UNIT - 6: Semiconductor Physics -Energy bands in solids, Types of materials (insulator, semiconductor, conductor)	
37	Intrinsic and Extrinsic semiconductors, p-n junction	
38	Junction diode and V-I characteristics	
39	Diode as rectifier – half wave and full wave rectifier (center taced)	
40	Photo cell, Solar cell, working principle and engineering applications	
41	UNIT - 7: Modern Physics - Lasers: Energy levels, ionization and	

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	excitation potentials; spontaneous and stimulated emission		
42	Population inversion, pumping methods, optical feedback.		
43	Types of lasers: Ruby, He-Ne Laser		
44	Semiconductor laser and engineering and medical applications of lasers. laser characteristics		
45	Fiber Optics: Introduction to optical fibers, light propagation, acceptance angle and numerical aperture		
46	Fiber types: applications in: telecommunication, medical and sensors.		

Assignments:

Assignment serial	Contents of syllabus covered	Proposed date	Actual date	Remarks
A-1	Wave motion and its applications & Optics	22/03/2023		
A-2	Electrostatics & Current electricity	20/04/2023		
A-3	Semiconductor & Modern Physics	22/05/2023		

House Test/Class Test:

House/Class Test	Contents of syllabus covered	Proposed date	Actual date	Remarks
CT-I	10% of the syllabus	2nd week of April		
CT-II	Next 30% of the syllabus	2nd week of May		
House Test	30% of the syllabus	4th week of May/2023		

Lab Plans

Exp. No.	Name of experiment	Actual date		Remarks
		G-1	G-2	
1	To determine and verify the time period of a cantilever.			
2	To verify laws of reflection from a plane mirror/ interface.			
3	To verify laws of refraction (Snell's law) using a glass slab.			
4	To verify Ohm's law by plotting graph between current and potential difference.			
5	To verify laws of resistances in series and parallel combination.			
6	To verify Kirchhoff's laws using electric circuits.			
7	To find resistance of a galvanometer by half deflection method.			
8	To draw V-I characteristics of a semiconductor diode (Ge, Si) and determine its built voltage.			

M. Gupta
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Lesson Plan

Session: Jan. - June 2024

Subject: Mathematics-II Class: Civil Engg., Mech. Engg. & Elect. Engg. 2nd Sem

Name of the teacher: Parina Nand Sharma

Sr. No.	Week	Name of the Chapter	Contents to be taught	Actual Date when content was taught	Remarks (if any)	
1	1 st	Determinants	Introduction Definition of Determinant Value of determinant of order 2 and concept of minors and cofactors. Problems of 2x2 determinants regarding finding the value minors and cofactors.			
2		Determinants	Value of determinant of order 3x3. Problems of 3x3 determinants regarding finding the value minors and cofactors. Sarrus method to find the value of 3x3 determinant Properties of Determinants			
3		Determinants	Problems to evaluate the value of determinants without expanding i.e., by using properties of determinants Application of Determinants in solving a system of non-homogeneous & non-homogeneous linear equations in two and three variables, i.e., Cramer's Rule.			
4		Determinants	Application of Determinants in solving a system of homogeneous linear equations in two and three variables, i.e., Cramer's rule. And problems of solving a system of homogeneous linear equations.			
5	2 nd	Matrices	Introduction Definition of Matrices, Order of a Matrix, Types of Matrices i.e., Square Matrix, Row matrix, Column Matrix, Zero Matrix, Diagonal Matrix, Scalar Matrix and Unit Matrix, Equal Matrices and operation on Matrices, i.e., Addition and Subtraction of two Matrices. Problems related to Equal Matrices and operation on Matrices, i.e., Addition and Subtraction of two Matrices.			
6		Matrices	Construction of a Matrix whose 3 rd element is given and problems related to commutativity, Associativity, Existence of identity and existence of inverse over the operation addition.			
7		Matrices	Matrix Multiplication and problems of matrices related to matrix multiplication, Matrix Polynomial and also problems related to matrix polynomial.			
8		Matrices	Transpose of a matrix, Symmetric and Skew-Symmetric Matrices. Problems related to express a square matrix as sum of symmetric and skew-symmetric matrix.			
9		Matrices	Adjoint and Inverse of a Matrix. Problems related to find adjoint and inverse of a Matrix.			
10		Matrices	Matrix Method to solve a system of non-homogeneous linear equations and problems related to matrix method.			
11		Matrices	Matrix Method to solve a system of homogeneous linear equations and problems related to matrix method.			
12		3 rd	Matrices and Determinants	Miscellaneous Problems related to Matrices and Determinants.		
13			Matrices and Determinants	Revision of the unit.		
14			Integral Calculus	Introduction, Definition and basic formulae of Integrations and simple problems.		
15			Integral Calculus	Integration by the method substitution and problems based on this method.		
16	Integral Calculus		Integration by the method partial fraction (for linear factors only) and problems based on this method.			
17	Integral Calculus		Integration by the method by parts and problems based on this method.			
18	Integral Calculus		Revision to prepare the students for class test.			
19	Integral Calculus		Problems of integration to be solved by the method integrating by parts.			
20	Integral Calculus		Integration of Trigonometric functions by using trigonometric formulae.			
21	Integral Calculus		Various Problems of integration.			
22	4 th	Integral Calculus	Some special methods of integrating trigonometric functions.			
23		Integral Calculus	Define integral, Define integral as limit of a sum and simple problems related to definite integrals.			
24		Integral Calculus	Properties of Definite Integrals and problems based on properties of definite integrals.			
25		Integral Calculus	Problems to evaluate definite integrals.			
26		Integral Calculus	Standard formulae to evaluate special type of trigonometric integrals.			
27		Integral Calculus	Various Problems of integration.			
28		Integral Calculus	Various Problems of integration.			
29		Integral Calculus	Application of integration to find the area under the curve and problems.			
30		Integral Calculus	Simple problems on evaluation of area bounded by a curve and axis.			
31		Integral Calculus	Application of integration to calculate volume of a solid formed by revolution of an area about axis.			
32	5 th	Integral Calculus	Mixed problems of application of integration.			
33		Integral Calculus	Revision of the chapter Application of Integration.			
34		Integral Calculus	Revision of the chapter Application of Integration.			
35		Integral Calculus	Revision of the chapter Application of Integration.			
36		Integral Calculus	Revision of the chapter Application of Integration.			
37		Straight Line	Introduction, Slope of a Straight line, Condition for Parallel and Perpendicular lines and equation of a straight line in different forms, i.e., point slope form, slope intercept form, intercept form and two points form, normal form. Simple problems related to write the equation of straight lines.			
38		Straight Line	Reduction of the general equation of a straight line to various standard lines and various related problems.			
39		Straight Line	Angle between two lines, condition of concurrency of three lines and related problems.			
40		Straight Line	Problems related to find the equation of a line which is parallel/perpendicular to the given line and problems related to find the point of intersection of two straight lines.			
41		Straight Line	Revision of the chapter.			
42	Straight Line	Revision of the chapter.				
43	6 th	Circle	Definition, equation of a circle in different forms, i.e., standard form, central form, general form, diameter form and related problems.			
44		Circle	Revision of the chapter.			

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45	Circle	Miscellaneous Problems related to Straight lines and circles .Revision of Straight lines and circles .		
46	Circle	Definition, equation of a circle in different forms, i.e., standard form, central form, general form, diameter form and related problems.		
47	Circle	Miscellaneous Problems related to Straight lines and circles .Revision of Straight lines and circles .		
48	10th Circle	Miscellaneous Problems related to Straight lines and circles .Revision of Straight lines and circles .		
49	Circle	Revision of the chapter		
50	Circle	Revision of the chapter		
51	Circle	Revision of the chapter		
52	11th Conics	Definition, Standard form and problems related to Parabola		
53	Conics	Definition, Standard form and problems related to Ellipse		
54	Conics	Definition, Standard form and problems related to Hyperbola.		
55	Conics	Miscellaneous Problems related to Parabola, Ellipse and Hyperbola .		
56	Conics	Revision of the unit(Parabola, Ellipse and Hyperbola).		
57	Conics	Revision of the chapter		
58	12th Conics	Revision of the chapter		
59	Conics	Revision of the chapter		
60	Differential Equations	Introduction, Definition and Type of differential equations. Order and Degree of a Differential Equation		
61	Differential Equations	Linear and Non-linear Differential Equations and related problems.		
62	Differential Equations	Formation of Differential equation and related problems.		
63	13th Differential Equations	Solution of first order and first degree differential equation by variable separable method.		
64	Differential Equations	Homogeneous equations and solution of homogenous equations.		
65		Revision to prepare the students for Final Examination		
66		Revision to prepare the students for Final Examination		
67	14th	Revision to prepare the students for Final Examination		
68		Revision to prepare the students for Final Examination		
69		Revision to prepare the students for Final Examination		
70		Revision to prepare the students for Final Examination		

Subject Teacher

HOD
Applied Sci. & Hum.