

**GOVT. POLYTECHNIC SUNDERNAGAR DISTT. MANDI (H. P.) PIN-175018**

<b>LESSON PLAN</b>		<b>Session - 29th Jan.2024 to 25th May 2024</b>					
<b>Name of the Teacher : Suniti Rani</b>			<b>Subject: Applied Mathematics-II</b>				
<b>Branch: Auto. Engg. ( 2nd Sem.)</b>							
<b>S. No.</b>	<b>Month</b>	<b>Date</b>	<b>Week</b>	<b>Unit</b>	<b>Name of Chapter</b>	<b>Content to be taught</b>	<b>Remarks</b>
1	January & February	29,30,31,1,3	1st	1	<b>Determinants</b>	Def.of Det., Minors, co-factors & Laplace's Expansion ( Ex-1.1) Properties of Det. (Ex.-1.2)	
2	February	5,6,7,8	2nd	1	<b>Matrices</b>	Solution of the system of equations by Cramer's Rule (Ex-1.3) Matrix , Algebra of Matrix ( Ex- 2.1 )	
3	February	12,13,14,15,17	3rd	1	<b>Matrices</b>	Multiplication of Matrices , Transpose of Matrix ,Symmetric & Skew Symm. Matrices (Ex-2.2), Inverse of Matrix , Adjoint of Matrix	
4	February	19,20,21,22	4th	2	<b>Matrices &amp; Integral Calculus</b>	Solution of System of Linear Equations in three variables (Ex-2.3), Fundamental Integrals( Ex 1.1 )	
5	February & March	26,27,28,29,2	5th	2	<b>Integral Calculus</b>	Ex-1.1, Int.by Substitution ( Ex-2.1 ) ( Ex-2.2)	
6	March	4,5,6,7	6th	2	<b>Integral Calculus</b>	Some Special Methods ( Ex 2.3 ) Integration by Parts( Ex-3.1)	
7	March	11,12,13,14,16	7th	2	<b>Definite Integral</b>	Int. By Partial Fractions ( Ex-4.1), Standard Formulae ( Ex-4.2)	
8	March	18,19,20,21,23	8th	2	<b>Definite Integral</b>	Area of the Curve , Volume Under the Curve( Ex-4.3 ) Some Important Questions ( <b>CLASS TEST-1</b> )	
9	March	26,27,28,30	9th	3	<b>Straight Line</b>	Equation of a St. Line in Different Forms ( Ex-1.1)	
10	April	1,2,3,4,6	10th	3	<b>Straight Line</b>	Angle B/N Two Line , Any line parallel /perpendicular to the St. Line( Ex-1.2 )	
11	April	8,9,10	11th	3	<b>The Circle</b>	The Equation of a Circle in Standard Form & Central Form( Ex-2.1)	
12	April	16,18,20	12th	3	<b>The Circle</b>	The Equation of a Circle in General Form & Diameter Form( Ex-2.1)( <b>CLASS TEST-2</b> )	
13	April	22,23,24,25,27	13th	3	<b>Conics (Parabola, Ellipse &amp; Hyperbola)</b>	Equation of Parabola,Properties of Parabola (Ex-3.1) Ellipse (Ex-3.2)	
14	April & May	29,30,1,2,4	14th	3	<b>Conics (Parabola, Ellipse &amp; Hyperbola)</b>	Properties of Ellipse , Equation of Hyperbola ,Properties of Hyperbola (Ex-3.3)	
15	May	6,7,8,9	15th	4	<b>Differential Equations</b>	Order & Degree of Diffrential Equation Ex(1.1)	
16	May	13,14,15,16,18	16th		<b>Revision</b>	Revision of Previous Question Papers ( <b>HOUSE TEST</b> )	
17	May	20,21,22,25	17th	4	<b>Differential Equations</b>	Order & Degree of Diffrential Equation Ex(1.2)	

**HOD (A S & H)**

**Teacher's Signature**

**GOVT POLYTECHNIC SUNDERNAGAR**  
**LESSON PLAN (Applied Physics -II theory)**

Name of the Teacher-Bharti Choudhary (Lecturer in Physics)  
 Class: 2nd Sem. Auto. Engg/Mech. Engg/(Jan.-May) 2024

Month	Week	Name of the Chapter	Contents to be taught	Remarks
Jan & Feb	5th & 1st	1) Wave motion and its applications	Wave motion transverse and longitudinal waves with examples	
			definition of wave velocity, frequency and wave length and their relationship	
			Sound and light waves and their properties, wave equation $(y = r \sin \omega t)$ amplitude	
			phase, phase difference Principle of superposition of waves and beat formation	
			Simple Harmonic Motion (SHM) definition, expression for displacement, velocity, acceleration, time period, frequency etc. Free forced and resonant vibrations and their examples. Acoustics of buildings - reverberation, reverberation time	
2nd	1) Wave motion and its applications	echo, noise, coefficient of absorption of sound, methods to control reverberation time and their applications. Ultrasonic waves - Introduction and properties		
		engineering and medical applications of ultrasonic		
		Basic optical laws: reflection and refraction, refractive index		
		Images and image formation by mirrors, lens and thin lenses, lens formula		
		power of lens, magnification, Total internal reflection, Critical angle and conditions for total internal reflection		
3rd	2) Optics	applications of total internal reflection in optical fiber		
		Revision		
		Optical instruments- simple and compound microscope		
		astronomical telescope in normal adjustment and their magnifying powers		
		<b>CLASS TEST 1</b>		
4th	2) Optics	Conditions and unit of Charge Electric field Electric lines of force and their properties		
		Electric flux, Electric potential and potential difference, Gauss's law		
		Capacitor and its working, Capacitance and its units		
		Capacitance of a parallel plate capacitor, Series and parallel combination of capacitors (related numerical) dielectric and its effect on capacitance, dielectric break down		
		Electric Current and its units, Direct and alternating current		
5th	4) Current Electricity	Factors affecting resistance of a wire, carbon resistances		
		Specific conductance, Series and parallel combination of resistances		
		Revision		

April	1st	4) Current Electricity	and colour coding. Ohm's law and its verification. Kirchhoff's laws Concept of terminal potential difference and Electro motive force (EMF) Heating effect of current. Electric power	
	2nd	4) Current Electricity	Electric energy and its units (related numerical problems) Advantages of Electric Energy over other forms of energy Revision	
	3rd	5) Electromagnetism	<b>CLASS TEST-1</b> Types of magnetic materials, dia, para and ferromagnetic with their properties Magnetic field and its units, magnetic intensity, magnetic lines of force magnetic flux and units, magnetization Lorentz force (force on moving charge in magnetic field) Force on current carrying conductor	
	4th	5) Electromagnetism	Moving coil galvanometer: principle, construction and working Conversion of a galvanometer into ammeter and voltmeter Revision	
April 2024	5th & 1st	6) Semiconductor Physics	Energy bands in solids. Types of materials (insulator, semi-conductor, conductor) intrinsic and extrinsic semiconductors Photo cells, Solar cells, working principle and engineering applications Diode as rectifier - half wave and full wave rectifier (Circuit diagram) Lasers: Energy levels, oscillation and excitation processes spontaneous and stimulated emission, population Revision Inversion, Pumping methods, optical feedback	
		7) Modern Physics		
		2nd		
		3rd		
May	4th	8) Modern Physics	<b>HOUSE TEST</b> Types of lasers: Ruby, He-Ne and semiconductor laser characteristics, engineering and medical applications of lasers. Revision Fiber Optics: Introduction to optical fibers light propagation: acceptance angle and numerical aperture fiber types applications in telecommunication, medical and sensors	

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Subject Teacher: Bharti Choudhary

(Applied Sc. & Hum.)

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*(Signature)*

**GOVT POLYTECHNIC SUNDERNADAR**  
**LESSON PLAN (Applied Physics- II Practicals)**

Name of the Teacher - **Bharti Choudhary (Lecturer in Physics)**  
 Class: **2nd Sem. Auto. Engg. (Jan - May) 2024**

Sr. No.	Description of Practicals	Group		Remarks
		Group-I	Group-II	
1	To determine and verify the time period of a capacitor	Week - 1	Week - 1	
2	To verify Ohm's law by plotting graph between current and potential difference	Week - 2	Week - 2	
3	Viva	Week - 3	Week - 3	
4	To verify laws of resistances in series & parallel	Week - 4	Week - 4	
5	To verify Kirchhoff's current voltage laws	Week - 5	Week - 5	
6	Viva	Week - 6	Week - 6	
7	To find resistance of a galvanometer by half deflection method	Week - 7	Week - 7	
8	To convert a galvanometer into an ammeter	Week - 8	Week - 8	
9	Viva	Week - 9	Week - 9	
10	To convert a galvanometer into a voltmeter	Week - 10	Week - 10	
11	To state V-I characteristics of a semiconductor diode (Zc, Si) and determine its knee voltage	Week - 11	Week - 11	
12	Viva	Week - 12	Week - 12	
13	Revision of practicals	Week - 13	Week - 13	
14	Revision	Week - 14	Week - 14	

*M.B.C.*  
 Teacher **Bharti Choudhary**

*(Signature)*  
 HOD  
 (Applied Sc. & Hum.)

## Lesson Plan

Name of the Teacher: Ajay Kumar

Subject:-Engineering Mechanics

Class/Semester: 2<sup>nd</sup>

Branch: Automobile Engineering

Sr. No	Month	Week	Date	Name of chapter	Contents to be taught	Remarks
1	Jan Feb	5 <sup>th</sup> 1 <sup>st</sup> 2 <sup>nd</sup> 3 <sup>rd</sup>	29,31 2,3 5,7,9 12,14,16,17	Basics of mechanics and force system	Significance and relevance of Mechanics, Applied mechanics, 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. Force – unit, representation as a vector and by Bow's notation, characteristics and effects of a force, Principle of transmissibility of force, Force system and its classification. Resolution of a force - Orthogonal components of a force, moment of a force, Varignon Theorem. Composition of forces – Resultant, analytical method for determination of resultant for concurrent, non-concurrent and parallel co-planar force systems – Law of triangle, parallelogram and polygon of forces.	
2	Feb March	4 <sup>th</sup> 5 <sup>th</sup> 1 <sup>st</sup> & 2 <sup>nd</sup> 3 <sup>rd</sup>	19,21,23 26,28 1,2,4,6 11,13	Equilibrium	Equilibrium and Equilibrant, Free body and Free body diagram, Analytical and graphical methods of analyzing equilibrium. Lami's Theorem – statement and explanation, Application for various engineering 50 problems. 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. Beam reaction graphically for simply supported beam subjected to vertical point loads only	

3	March	3 <sup>rd</sup>	15,16	Friction	Friction and its relevance in engineering, types and laws of friction, limiting equilibrium, limiting friction, co-efficient of friction, angle of friction, angle of repose, relation between co-efficient of friction and angle of friction. 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.
	April	4 <sup>th</sup>	18,20,22,23		
		5 <sup>th</sup>	27,30		
		1 <sup>st</sup>	1,3		
4	April	1 <sup>st</sup> & 2 <sup>nd</sup>	5,6,8,10,12	Centroid and centre of gravity	Centroid of geometrical plane figures (square, rectangle, triangle, circle, semi-circle, quarter circle). Centroid of composite figures composed of not more than two geometrical figures. 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
		3 <sup>rd</sup>	19,20		
		4 <sup>th</sup>	22,24,26,27		
		5 <sup>th</sup>	29		
5	May	1 <sup>st</sup>	1,3,4	Simple lifting machine	Simple lifting machine, load, effort, mechanical advantage, applications and advantages. 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. Velocity ratios of Simple axle and wheel, Differential axle and wheel, Worm and worm wheel, Simple screw jack
		2 <sup>nd</sup>	6,8		
		4 <sup>th</sup>	20,22,24,25		

**Note: - Lesson plan is tentative and subjected to the availability of time, teacher and students.**



Sign. of Teacher  
Ajay Kumar  
Lecturer Automobile Engg.  
GP Sundernagar



Sign. of H.O.D

## LESSON PLAN

ProgramName	Diploma (Auto Engg. , Electrical Engg. , Archi. Asst.)
Course/SubjectName	Environmental Science
Course/SubjectCode	AU102(Th)
Course/SubjectCoordinatorName	Mrs. Puja Verma

### Evaluation scheme

S.No.	Subject Name	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 , Envir Engi. 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)	<a href="http://www.eco-prayer.org">www.eco-prayer.org</a>		
			(ii)	<a href="http://www.cpcp.nic.in">www.cpcp.nic.in</a>		
			(iii)	<a href="http://www.indianenvironmentalportal.org.in">www.indianenvironmentalportal.org.in</a>		

**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 by applying ecosystem knowledge to produce eco friendly products.
CO2	Understand the suitable air, extent of noise pollution , and control measure and acts.
CO3	Understand the water and soil pollution , and control measure and acts.
CO4	Understand different renewable energy resources and use efficient process of harvesting.
CO5	Understand solid waste management , ISO 140000 & environmental management.

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## Teaching Plan:

Lecture No.	Name of topic	Actual date	Remarks
1	<b>Unit-1 Ecosystem:</b> Structure of ecosystem, biotic and abiotic component.		
2	Food chain and food web, Aquatic and terrestrial ecosystem (lentic and lotic)		
3	Carbon, nitrogen, sulphur and phosphorus cycle.		
4	Global warming (cause , effect and process), green house effect and ozone depletion.		
5	<b>Unit-2 Air and Noise Pollution:</b> Pollution and pollutant (definition), source of air pollution(natural and man made. Air pollutant (types).		
6	Particulate pollutants: Effects and control (Bag filter, cyclone separator & electrostatic precipitator).		
7	Gaseous pollution control (Absorber, catalytic converter).		
8	Effects of air pollution due to refrigerants, I.C, Boiler. Noise Pollution (Source ).		
9	Noise Pollution (Measurement and effects),Noise Pollution Rules 2000 (Regulation and control)		
10	<b>Unit-3 Water and Soil Pollution:</b> Water pollution(Source), water pollutants types & Characteristics (turbidity, pH, total suspended solids (definition and calculation)).		
11	Water pollutants Characteristics BOD and COD (definition and calculation)).		
12	Waste water treatment ( Primary methods: sedimentation & froth floatation).		
13	Secondary methods: Activated Sludge treatment, trickling filter and bioreactor)		
14	Waste water treatment ( Tertiary methods: membrane separation technology and RO (reverse osmosis))		
15	Soil pollution ( Causes, effect and preventive measure), causes: excessive use of fertiliser, pesticide and insecticide, irrigation and e-waste.		
16	<b>Unit-4 Renewable Source of energy:</b> Solar energy (basics).Theory of Flat plate collector (liquid & air).		
17	Importance of coating, advanced collector, solar( pond, water heater,dryer &stills)		
18	Biomass(as energy source, thermal characteristics as fuel, anaerobic digestion). Biogas ( production mechanism & utilisation and storage).		
19	Wind energy (current status and future prospects, environmental benefits and problems ), Wind energy in India.		
20	New energy sources (Need, types). Applications (Hydrogen energy, ocean energy, tidal energy).		
21	Geothermal energy ( Concept, origin and power plants),		
22	<b>Unit-5 Solid waste management, ISO 14000 &amp; environmental</b>		



	<b>management:</b> Solid waste source & characteristics (Municipal, e waste, biomedical).		
23	Industries metallic and non metallic waste( lubricants,plastic and rubber).		
24	Collection & disposal : MSW(3R, principles, energy recovery, sanitary landfill), Hazaedous Waste.		
25	Air quality act 2004, air pollution control act 1981. Water pollution & control act 1996.		
26	Structure and role of central and state pollution control board. Carbon credit concept, carbon footprint.		
27	Environmental management in fabrication industry.		
28	ISO 14000: Implementation in industry and benefits.		

### Assignments:

Assignment serial	Contents of syllabus covered	Actual date	Remarks
A-1	Ecosystem, Air and noise Pollution		
A-2	Water and soil pollution, Renewable source of Energy		
A-3	Solid waste management, ISO 14000 & environmental 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		

(3/2)

Signature of Teacher

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## LESSON PLAN

Session : Jan 2024 - May 2024  
 Branch : Auto Engineering  
 Year/Semester : 1st / 2nd  
 Subject : Engineering Workshop Practice (Carpentry Shop)

S.No.	Practical	Group I	Group II	Group III	Group IV	Group V	Group VI
1	Demonstration of different wood working tools / machines.	JAN. 31	Feb. 22	Feb. 16	Feb. 14	Feb. 08	Feb. 02
2	Demonstration of different wood working processes, like planing, marking, chiseling, grooving, turning of wood etc. involving any one joint like mortise and tenon dovetail, bridle, half lap etc.	Feb. 01 28 Feb. 29 MARCH 28	Feb. 23 MAR. 22 MAR. 27	Feb. 21 MAR. 20, 21 APRIL 24	Feb. 15 MAR. 14, 15 APRIL 18	Feb. 09 MAR. 07, 13 APRIL 10	Feb. 07 MAR. 04, 06 APRIL 04
3	One simple job	APRIL 03 MAY 02, 03	APRIL 26 MAY 01	APRIL 25 MAY 24	APRIL - 19 MAY 17, 22	APRIL 12 MAY 15, 16	APRIL 05 MAY 08, 09

  
**SAUJEEV KUMAR**  
 W/S Instructor

  
 Tejender Dev Brari  
 (W/S Supdt. Mech. Engg.)

## LESSON PLAN

Session : Jan 2024 - May 2024  
 Branch: Auto Engg  
 Year/Semester : 1st / 2nd  
 Subject : Engineering Workshop Practice (FittingsShop)

S.No.	Practical	Group I	Group II	Group III	Group IV	Group V	Group VI
		03/02/24	30/04/24	27/02/24	20/02/24	16/02/24	09/02/24
1	Demonstration of different fitting tools and drilling machines and power tools						
2	Demonstration of different operations like chipping, filing, drilling, tapping, sawing, cutting etc.	06/02/24	02/03/24	01/03/24	23/02/24	17/02/24	13/02/24
3	One simple fitting job involving cutting & rebuilding of broken parts with welding.	15-03-24	05/03/24	05/04/24	08/03/24	23/03/24	19/03/24
		16/03/24	09/04/24				22/03/24
		16/04/24	12.04.24	06/04/24	02/04/24	26/03/24	20/04/24
		18-05-24	14-05-24	04/05/24	03/04/24	26/04/24	22/04/24
		19-05-24	17-05-24	07/05/24	08/05/24	27/04/24	24/05/24


  
 W/S Instructor PITTING  
CPS


  
 Tejender Dev Brari  
 (W/S Supdt. Mech. Engg.)

## LESSON PLAN

Session : Jan 2024 - May 2024  
 Branch: Auto Engineering  
 Year/Semester : 1st / 2nd  
 Subject : Engineering Workshop Practice (Welding Shop)

S.No.	Practical	Group I	Group II	Group III	Group IV	Group V	Group VI
1	Demonstration of different welding tools / machines.	Feb. 08, 09	Feb. 02, 07	JAN 31 Feb 01	Feb. 22, 23	Feb. 16, 21	Feb. 14, 15
2	Demonstration on Arc Welding, Gas Welding, MIG, MAG welding, gas cutting and rebuilding of broken parts with welding.	MAR. 07, 13 APRIL 10, 12	MAR. 01, 06 APRIL 04, 05	Feb. 28, 29 MAR. 28 APRIL 03	MAR 22, 27 APRIL 26	MAR. 20, 21 APRIL 24, 25	MAR 14, 15 APRIL 18, 19
3	One simple job involving butt and lap joint.	MAY 15, 16	MAY 08, 09	MAY 02, 03	MAY 01	MAY. 24	MAY 17, 22

  
**CHANDERMANI**  
 W/S Instructor Welding

  
 Tejender Dev Brati  
 (W/S Supdt. Mech. Engg.)

## LESSON PLAN

Session : Jan 2024 - May 2024  
 Branch: Auto Engineering  
 Year/Semester : 1st / 2nd  
 Subject : Engineering Workshop Practice ( Sheet Metal Shop)

S.No.	Practical	Group I	Group II	Group III	Group IV	Group V	Group VI
1	Demonstration of different sheet metal tools / machines.	Feb. 14, 15	Feb. 08, 09	Feb. 02, 07	JAN. 31 Feb. 01	Feb. 22, 23	Feb. 16, 21
2	Demonstration of different sheet metal operations like sheet cutting, bending, edging, end curling, lancing, soldering, brazing, and riveting.	MAR. 14, 15 APRIL 18, 19	MAR. 07, 13 APRIL 10, 12	MAR. 01, 06 APRIL 04, 05	Feb. 28, 29 MAR. 28 APRIL 03	MAR. 22, 27 APRIL 26	MAR. 20, 21 APRIL 24, 25
3	One simple job involving sheet metal operations and soldering and riveting.	MAY 17, 22	MAY 15, 16	MAY 08, 09	MAY 02, 03	MAY 01	MAY 24

  
 W/S Instructor

  
 Tegender Dev Brari  
 (W/S Supdt. Mech. Engg.)

## LESSON PLAN

Session : Jan 2024 - May 2024


Branch: Auto Engineering

Year/Semester : 1st / 2nd

Subject : Engineering Workshop Practice (SmithyShop)

S.No.	Practical	Group I	Group II	Group III	Group IV	Group V	Group VI
1	Demonstration and explanation of tools & equipment used. Safety measure to be observed in smithy shop. ioperation, operation.	Feb. 16	Feb 14	Feb. 08	Feb. 02	JAN. 31	Feb. 22
2	Demonstration of bending operation, up-setting operation.	Feb. 21 MAR. 20	Feb. 15 MAR. 14	Feb. 09 MAR. 07	Feb. 07 MAR. 01	Feb. 01 Feb. 28	Feb. 23 MAR. 22
3	i Description and specifications of anvils, swage blocks, hammer etc.	MAR. 21 APRIL 24	MAR. 15 APRIL 18	MAR. 13 APRIL 10	MAR. 06 APRIL 04	Feb. 29 MAR 28	MAR. 27
4	Demonstration and description of tongs, fullers.	APRIL 25	APRIL 19	APRIL 12	APRIL 05	APRIL 03	APRIL 26
5	To forge a L-hook	MAY 24	MAY 17, 22	MAY 15, 16	MAY 08, 09	MAY 02, 03	MAY 01

  
 Tejender Dev Brari  
 W/S Instructor

  
 Tejender Dev Brari  
 (W/S Supdt. Mech. Engg.)

## LESSON PLAN

Session : Jan 2024 - May 2024

Branch: Avto. Engineering

Year/Semester : 1st / 2nd

Subject : Engineering Workshop Practice (Electrical Shop)

S.No.	Practical	Group I	Group II	Group III	Group IV	Group V	Group VI
1	Practice on one lamp controlled by one switch by surface conduit wiring.	Feb.22	Feb. 16	Feb. 14	Feb. 08	Feb. 02	Jan. 31
2	Practice on simple lamp circuits connection of lamp and socket by separate switches.	Feb.23	Feb. 21	Feb. 15	Feb. 09	Feb. 07	Feb. 01
3	Practice on connection of Fluorescent lamp/tube light.	MAR. 22	MAR. 20	MAR. 14	MAR. 07	MAR. 01	Feb. 28
4	Practice on simple lamp circuits-in- stall bedroom lighting.	MAR. 27	MAR. 21	MAR. 15	MAR. 13	MAR. 06	Feb. 29
5	Practice on simple lamp circuits install stair case wiring.	MAR. 27	APRIL 24	APRIL 18	APRIL 10	APRIL 04	MAR. 28
6	Demonstration of measurement of Current, Voltage, Power and Energy.	APRIL 26	APRIL 25	APRIL 19	APRIL 12	APRIL 05	APRIL 03
7	Demonstration of advance power tools, pneumatic tools, electrical wiring tools and accessories.	APRIL 26	APRIL 25	MAY 17	MAY 15	MAY 08	MAY 02
8	Practice on tools for Cutting and drilling.	MAY 01	MAY 24	MAY 22	MAY 16	MAY 09	MAY 03

  
 W/S Instructor

  
 Tejender Dev Brari  
 (W/S Supdt. Mech. Engg.)