## Lesson Plan of Electrical Engineering Material

Insulating med in co.

of Electricitial

Discipline:-	Semester:-	Name Of The Teaching Faculty:- SOURABH NANDA
Subject:- Electrical Engineering	No Of Days Per week Class Allotted:-4	
Material No. of week	No. of class	Topic to be taught
1 <sup>st</sup>	1	Conducting Materials: Introduction of Conducting Material
	2	In that the Conting registivity
	3	Observed an of conducting materials into low-resistivity
Laccor	Thomas T	1 1 1 1
Lesson	4	Low Resistivity Materials and their Applications (57)
2 <sup>nd</sup>	5	Stranded conductors, Bundled conductors
Prespinson	6 7	Low resistivity copper alloys  High Resistivity Materials and their Applications (Tungsten,
Subject 1 In mary	8	Superconductivity, Superconducting materials, Application of
For to the	The Make St. D.	superconductor materials
3 <sup>rd</sup>	9	Semiconducting Materials: Introduction of Semiconducting Materials, Semiconductors
	10	Electron Energy and Energy Band Theory, Excitation of
	11	Atoms Insulators, Semiconductors and Conductors
	12	Semiconductor Materials, Covalent Bonds
4 <sup>th</sup>	13	
-	14	N. Tono Materials, P. Type Materials
dv	15	Minority and Majority Carriers, Semi-Conductor Materials
2	16	Applications of Semiconductor materials: Rectifiers
5 <sup>th</sup>	17	Temperature-sensitive resisters or thermistors, Photoconductive
- 1	18	Photovoltaic cells, Varisters, Transistors
2-1 5-0	19	Hall effect generators, Solar power
3	20	Insulating Materials:
6 <sup>th</sup>	21	General properties of Insulating Materials:
		Electrical properties
	22	Visual properties
	23	Mechanical properties
magnetic district	24	Thermal properties
	25	Chemical properties
7th	26	Ageing
Programme of the control of the cont	27	Insulating Materials – Classification, properties, applications: Introduction
		Classification of insulating materials on the basis physical and chemical structure

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8th	29	Insulating Gases: Introduction.
	30	Commonly used insulating gases
	31	Doubt Clearing Class
	32	Doubt Clearing Class
9 <sup>th</sup>	33	Dielectric Materials: Introduction
	34	Dielectric Constant of Permittivity
	35	Polarization
	36	Dielectric Loss
10 <sup>th</sup>	37	Electric Conductivity of Dielectrics and their Break Down
	38	Properties of Dielectrics.
	39	Applications of Dielectrics.
Lesson	40	Magnetic Materials:
11 <sup>th</sup>	41	Classification: Diamagnetism,
	42	Para magnetism
	43	Ferromagnetism
	44	Magnetization Curve
12 <sup>th</sup>	45	Hysteresis
and and an artist of the second	46	Eddy Currents #1154 1
1.	47	Curie Point
The state of the s	48	Magneto-striction
13 <sup>th</sup>	49	Soft and Hard magnetic Materials: Soft magnetic materials
13	50	Hard magnetic materials
	- 51	Materials for Special Purposes: Introduction
	52	Structural Materials
14th	- 53	Protective Materials: Lead, Steel tapes, wires and strips
	54	Other Materials! Thermocouple materials
	55	Bimetals
1	56	Soldering Materials
1511	57	Fuse and Fuse materials.
13	58	Dehydrating material.
	59	Revision
the second secon		Revision

01/07/20

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**Teaching Faculty** 

H. O. P. 7 . 7 9225