Discipline: Electrical	Semester: 6th	Name of the Teaching faculty: Samira Kumare Panda
Subject: EI & E	No. of days/ Week class Alloted: 06	Semester from - 10.03.22 to 10.06.2022
		No. of Weeks - 14

Weeks	Class day	Theory / Practical Topics
	1st	
7.3.22	2nd	
to	3rd	
12.3.22	4th	
	5th	Indian Electricity Rules: Defination, CB, Voltage
	6th	• Installation, Switch Gear, General Safety Precautio
14.3.22	1st	• Rule: 29, 30, 31, 32, 33 34, 35, 36
-	2nd	• Rule: 40, 41, 43, 44, 45, 46
19.3.22	3rd	• General Conditions relating to Supply
	4th	• Rule: 47, 48, 49, 50, 51, 54, 55, 56
	5th	• Rule: 57, 58, 59, 60, 61, 62, 63, 64
	6th	← Hoti →
	1st	• Rule: 65, 66, 67, 68, 70, OH lines
21.3.22	2nd	• Rule: 74, 75, 76, 77, 78, 80
	3rd	• Rule: 86, 87, 88, 89, 90, 91
26.3.22	4th	Electrical Installations: domestics, Industrial
	5th	• Wiring sysli, Internal Distribution.
	6th	• Methods of wiring, Sysli of Wiring, material
	1st	• Types of Cable Used; multistranded Cable.
28.3.22	2nd	Accessories: main switch, distribution Board
	3rd	• Conduit & fittings, lighting accessories
2.4.22	4th	• Determination of Size of fuse
	5th	• Determination of Size of Earth Wire.
	6th	Lighting Scheme :- Aspects and types
	1st	• factory lighting, public lighting
4.4.22	2nd	• General Rules of wiring, determination of no. of point
	3rd	• Determination of total load & No. of Sub circuits.
9.4.22	4th	• Internal Wiring: Types, Disadvantages
	5th	• Material Required for CTS Wiring with
	6th	• Verandah 25m² light, fan, Plug points.

Weeks	Class Day	Theory / Practical Topics
	1st	• Estimating of material required for conduit
11.4.22	2nd	Wiring of Verandha 25 m^2 with light, fan, plug point
	3rd	• Estimating of material required to concealed
16.4.22	4th	Wiring for domestic Installation Verandha 50 m^2
	5th	← Maha Visuba Sankranti →
	6th	• Estimating of material for erection of
	1st	erection of Conduct Wiring of Small workshop
18.4.22	2nd	About 30 m^2 and load within 10 KW
	3rd	Overhead Installation: Main Components. Supports
23.4.22	4th	• Height of pole, Brackets, clamps, guys, stays.
	5th	• Bird guards, Jumpers, guarding, tee-offs
	6th	• Estimating for LT distribution load of
	1st	100 KW maximum & Standards (conductor chart)
25.4.22	2nd	• Current Carrying Capacity of ACSR
	3rd	• Estimating for LT distribution load
30.4.22	4th	of 100 KW minimum & standards (Conduct chart)
	5th	& Voltage Regulation ACSR
	6th	• Estimating of HT distribution (11kv)
	1st	2km, Load of 2000 KVA maximum involving
2.5.22	2nd	Calculation, Voltage regulation.
	3rd	← Id-UI-fitree →
7.5.22	4th	Overhead Service line: Components
	5th	• Components of Service line, Bearer Wire
	6th	• Lacing Rod, Arcial fore, Service supports
	1st	• Energy Box & meters.
9.5.22	2nd	• preparce of Estimate for preparing Single phase
	3rd	load of 3kw (light, fan, Socket)
14.5.22	4th	of a Single phase Residential building
	5th	• Estimating for Single phase Supply load
	6th	of 3kw to each other of a double storied

Weeks	Class Day	Theory / Pratical Topics
	1st	} Buddha Purnima →
16.5.22	2nd	
	3rd	Bulding have Separeate Energy meter.
21.5.22	4th	• Estimating for material requrcied for
	5th	Service connecting to a factory bulding
	6th	With load within 15 KW by insulated wire
	1st	• Estimating of material requrcied
13.5.22	2nd	for Service Connection to a factory
	3rd	bulding with Load within 15 KW Using
28.5.22	4th	Bare Conductor and Insulated Wire Combined
	5th	Estimating for Distribution Substation:
	6th	Estimating for substation.
	1st	} Sabitri Amabasya →
30.5.22	2nd	
	3rd	• Pole mounted substation.
4.6.22	4th	Cont.
	5th	Cont.
	6th	Cont.
	1st	• Plinth mounted Substation.
6.6.22	2nd	Cont.
	3rd	Cont.
11.6.22	4th	• Revision.
	5th	• Revision.
	6th	

Verified
10/03/2022