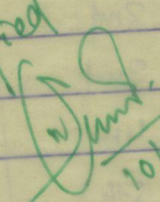


Discipline	Semester	Name of the Teaching faculty
Electrical	6 th	Samir Kumar Panda
Subject	No. of days / Week class /	Semester from - 10.03.22 to 10.06.2022
EI & E	30 Allocated: 06	No. of Weeks - 14
Weeks	Class day	Theory / Practical Topics
	1st	
7.3.22	2nd	
to	3rd	
12.3.22	4th	
	5th	
	6th	<u>Indian Electricity Rules: Definition, CB, Voltage</u>
14.3.22	1st	• Installation, Switch Gear, General Safety Precaution
-	2nd	• Rule: 29, 30, 31, 32, 33, 34, 35, 36
19.3.22	3rd	• Rule: 40, 41, 43, 44, 45, 46
	4th	• General Conditions relating to Supply
	5th	• Rule: 47, 48, 49, 50, 51, 54, 55, 56
	6th	• Rule: 57, 58, 59, 60, 61, 62, 63, 64
		← HoEi →
	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	<u>Electrical Installations: domestic, Industrial</u>
	5th	• Wiring system, Internal Distribution.
	6th	• Methods of wiring, Size of wiring, material
	1st	• Types of Cable used: multistranded Cable.
28.3.22	2nd	<u>Accessories: main switch, distribution Board</u>
	3rd	• Conduit & fittings, lighting accessories
2.4.22	4th	• Determination of size of fuse
	5th	• Determination of size of earth wire.
	6th	<u>Lighting Scheme: - Aspects and types</u>
	1st	• factory lighting, public lighting
4.4.22	2nd	• General Rules of wiring, determination of no. of post
	3rd	• Determination of total load, & no. of sub circuits.
9.4.22	4th	• <u>Internal Wiring: Types, Disadvantages</u>
	5th	• Material Required for CTS wiring with.
	6th	• Verandah 25m ² light, fan, plug points.

Weeks	Class Day	Theory / Practical Topics
11.4.22	1st	• Estimating of material required for conduct
	2nd	Wiring of Verandha 25m ² with light, fan, plug point
	3rd	• Estimating of material required to concealed
16.4.22	4th	Wiring for domestic Installation Verandha 80m ²
	5th	← Maha Visuba Sankranti →
	6th	• Estimating of material for erection of
18.4.22	1st	erection of Conduct Wiring of Small Workshop
	2nd	About 30m ² and load within 10 kW
	3rd	Overhead Installation: Main Components, Supports
23.4.22	4th	• Hight of pole, Brackets, clamps, guys, stays.
	5th	• Bared Jords, Jumpers, guarding, tee-offs
	6th	• Estimating for LT distribution load of
	1st	100 kW maximum of Standard (Conductor chart)
25.4.22	2nd	• Current Carrying Capacity of ACSR
	3rd	• Estimating for LT distribution load
	4th	of 100 kW minimum of standard (Conductor chart)
30.4.22	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 →
	4th	Overhead Service line: Components
7.5.22	5th	• Components of Service line, Bareen Wire
	6th	• Lacing Rod, Arclet fuse, Service supports.
	1st	• Energy Box & meters.
9.5.22	2nd	• prepare of Estimate for providing Single phase
	3rd	load of 3kW (light, fan, socket)
	4th	of a single phase Residential building
14.5.22	5th	• Estimating for single phase supply load
	6th	of 3kW to each other of a double stored

Weeks	Class Day	Theory / Practical Topics
	1st	} Buddha Purnima →
16.5.22	2nd	
21.5.22	3rd	<ul style="list-style-type: none"> • Buildings have separate Energy meters • Estimating for material required for Service connecting to a factory building with load within 15KW by insulated wire
	4th	
	5th	
	6th	
13.5.22	1st	<ul style="list-style-type: none"> • Estimating of material required for Service Connection to a factory building with load within 15KW Using Bare Conductors and Insulated wire Combined
	2nd	
	3rd	
28.5.22	4th	<u>Estimating for Distribution Substation:</u> <u>Estimating for Substation.</u>
	5th	
	6th	
30.5.22	1st	} Sabitri Amabanya →
	2nd	
	3rd	
4.6.22	4th	<ul style="list-style-type: none"> • Pole mounted substation. Cont. Cont. Cont.
	5th	
	6th	
6.6.22	1st	<ul style="list-style-type: none"> • Plinth mounted Substation. Cont. Cont.
	2nd	
	3rd	
11.6.22	4th	<ul style="list-style-type: none"> • Revision. • Revision.
	5th	
	6th	

Verified

 10/03/2002