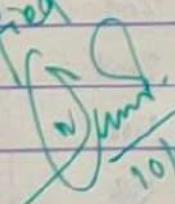


Discipline	Semester	Name of the Teaching faculty
Electrical	6 <sup>th</sup>	Samira Kumare Panda
Subject	No. of days/Week class	Semester from - 10.03.22 to 10.06.2022
EI & E	3 @ 10:06	No. of Weeks - 14
Weeks	Class Day	Theory / Practical Topics
	1st	
7.3.22	2nd	
	3rd	
12.3.22	4th	
	5th	
	6th	<u>Indian Electricity Rules: Definition, CB Voltage</u>
14.3.22	1st M	• Installation, Switch Gear, General Safety Precaution
	2nd M	• Rule: 21, 20, 21, 32, 33, 34, 35, 36
19.3.22	3rd T	• General Conditions relating to Supply
	4th W	• Rule: 47, 48, 49, 50, 51, 54, 55, 56
	5th T	• Rule: 57, 58, 59, 60, 61, 62, 63, 64
	6th S	← <u>Hose</u> →
	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	• Conduct of 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>
4.4.22	1st	• Factory lighting, public lighting
	2nd	• General Rules of wiring, determination of no. of points
9.4.22	3rd	• Determination of total load of stand sub-circuits
	4th	• <u>Internal Wiring: Types, Disadvantages</u>
	5th	• Material Required for CTS wiring with
	6th	• Verandah 25m <sup>2</sup> light, fan, plug points.

Weeks	Class Day	Theory / Practical Topics
	1st	• Estimating of material required for conduct
11.4.22	2nd	Wiring of Verandah 25m <sup>2</sup> with light, fan, plug point
	3rd	• Estimating of material required to concealed
16.4.22	4th	wiring for domestic installation Verandah 80m <sup>2</sup>
	5th	← <u>Maha Visuba Sankranti</u> →
	6th	• Estimating of material for erection of
18.4.22	1st	erection of conduct wiring of small workshop
	2nd	About 30m <sup>2</sup> and load within 10 kw
23.4.22	3rd	<u>Overhead Installation: Main Components, Supports</u>
	4th	• Height of pole, Brackets, clamps, guy-stops
	5th	• Bird lynch, Jumper, guarding, tee-offs
	6th	• Estimating for LT distribution load of
25.4.22	1st	100 kw maximum of standards (Conductor chart)
	2nd	• Current Carrying Capacity of ACSR
	3rd	• Estimating for LT distribution load
30.4.22	4th	of 100 kw minimum of standards (Conductor chart)
	5th	• Voltage Regulation ACSR
	6th	• Estimating of HT distribution (11kv)
2.5.22	1st	2km, load of 2000kVA maximum involving
	2nd	Calculation, Voltage regulation
	3rd	← <u>Id - Ul - fctree</u> →
7.5.22	4th	<u>Overhead Service Line: Components</u>
	5th	• Components of Service Line, Beacon wire
	6th	• Lacing Rod, Aerial wire, Service supports
9.5.22	1st	• Energy Box & meters
	2nd	• prepare of Estimate for providing Single phase
14.5.22	3rd	load of 3kw (light, fan, socket)
	4th	of a single phase Residential Building
	5th	• Estimating for single phase supply load
	6th	of 3kw to each others of a double storey

Weeks	Class Day	Theory / Practical Topics
	1st	} Buddha Purnima →
16.5.22	2nd	
	3rd	
21.5.22	4th	Buildings have separate Energy meters • Estimating for material required for service connecting to a factory building with load within 15KW by insulated wire
	5th	
	6th	
13.5.22	1st	
	2nd	• Estimating of material required for service connection to a factory building with load within 15KW using Bare Conductor and Insulated wire combined
28.5.22	3rd	
	4th	
	5th	<u>Estimating for Distribution Substation:</u>
	6th	
	1st	} Sabitri Amabasya →
30.5.22	2nd	
	3rd	
4.6.22	4th	• Pole mounted substation. Cont. Cont. Cont.
	5th	
	6th	
	1st	
6.6.22	2nd	• Plinth mounted substation. Cont. Cont.
	3rd	
	4th	
11.6.22	5th	• Revision. • Revision.
	6th	

Verified  
  
 10/03/2022