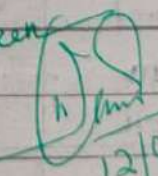


Discipline: Electrical Engg. Semester: 6th Name of the teaching faculty: Somir Kumar Panda
 Subject: Electrical Installation of Bldg. No. of class weeks/ class Allotted: 05 Semester from 14.2.2023 to 23.05.2023
 No. of weeks: 15

Weeks	class day	Theory
	1st	
13-02-2023	2nd	Indian Electricity Rules: Definition, Ampere
18-02-2023	3rd	Apparatus, Base, Circuit, CB, Voltage, dead
	4th	Cut-out, Conduit, System, dangers, installation
	5th	← Maha Shiva Ratri →
	1st	General Safety precautions: Rule 29-46
20-2-23	2nd	General Safety precaution condition R-47-70
to	3rd	OH lines: Rule 74-91
25-2-23	4th	Electrical installations: domestic, industrial
	5th	Internal distribution of energy, Wiring system
	1st	Conductors material used, Mechanical protection
27-2-23	2nd	Cable used in internal wiring, Voltage Grounding
to	3rd	Accessories: Main switch, distribution boards
4-3-23	4th	Conduit, fittings, lighting accessories, fuses
	5th	Determination of size of fuse Earthing Conductor
	1st	Grounding earthing, GI Pipe earthing
6-3-23	2nd	lighting scheme: 1
to	3rd	lighting scheme: Aspects of good lighting service
11-3-23	4th	Types of lighting schemes, factory lighting
	5th	General Rules for wiring, No of points
	1st	Determination of total load, No of sub-circuits
13-3-23	2nd	Internal wiring: Types of wiring
to	3rd	Types of wiring Cont....
18-3-23	4th	Advantages and disadvantages with application
	5th	Estimate material required CTs wiring 25m ²
	1st	Cont....
20-3-23	2nd	Cont....
to	3rd	Estimate material Required Conduit wiring
25-3-23	4th	Cont..

Weeks	class day	Theory
	5th	Versandha within 25m ² with plug points.
	1st	Estimate material Required Concealed wiring
27-3-23	2nd	Cont....
to	3rd	← Rama Navami →
1-4-23	4th	Estimate of material for erection of conduit.
	5th	← Utkal Devas →
	1st	Cont....
3-4-23	2nd	Overhead installation: main components, factors
to	3rd	determine the size of conductors, Cross arms
8-4-23	4th	← Good friday →
	5th	Conductors Configuration, Spacing, lighting arms
	1st	Jumpers, grounding, tee-offs, bird guards, plates
10-4-23	2nd	Estimate material Required for LT station.
to	3rd	Cont....
15-4-23	4th	← Maha Visuba Sankranti →
	5th	Cont....
	1st	Estimate material Required for LT line 100kw
17-4-23	2nd	Cont....
to	3rd	Cont....
22-4-23	4th	Estimate material Required for HT line.
	5th	← Id-UI-fitre →
	1st	Cont....
24-4-23	2nd	Cont....
to	3rd	Overhead Service lines: Components, line
29-4-23	4th	Bearers wire, lacing rod, Aerial fuse
	5th	Service support energy box, meters etc.
	1st	preparation of estimate 10 supply of SW bulkings
1-5-23	2nd	Cont....
6-5-23	3rd	Cont....

Weeks	class day	Theory
	4th	← Buddha Purnima →
	5th	preparce of estimate 1φ 3kW double store
	1st	Cont...
8-5-23	2nd	preparce of estimate Service connection 15 k
to	3rd	Cont...
13-5-23	4th	Cont...
	5th	preparce of Estimate material Required 15 k
	1st	Barce Conductors & Insulated wire Comb
15-5-23	2nd	Cont...
to	3rd	Estimating fore Distribution Substation. In
20-5-23	4th	← Sabitri Amabanya →
	5th	Pole mounted Substation.
	1st	Cont...
22-5-23	2nd	Plinth mounted Substation.
to	3rd	Cont...
27-5-23	4th	← Closing of Attendance. →
	5th	← closing of Attendance →

Seen

 12/02/23