

Academic lesson plan for summer semester - 2024

Name of the teaching faculty: **Umesh Chandra Sethi**

& Kishore Chandra Prusty

Semester: **6th**

No. of periods per week: **6**

Semester Exam: **100**

Total Marks: **150**

Discipline / Dept.: **EE**

Subject (Practical): **EWP**

Total Periods: **90**

Class Test: **50**

Week	Period	Topic to be covered
1 ST	1 st	Identification of single core (SC), twin core (TC), threecores (3c), four cores (4c); copper and aluminum PVC,VIR & Weather proof (WP) wire
	2 nd	
	3 rd	
	4 th	prepare Britannia T joint and Married joint.
	5 th	
	6 th	
2 ND	1 st	Cutting copper and aluminum cable and crimping lug tothem from 2.5mm2 to 6 mm2 cross section.
	2 nd	
	3 rd	
	4 th	Connection and testing of fluorescent tube light, highpressure M.V. lamp, sodium vapor lamp
	5 th	
	6 th	
3 RD	1 st	Connection and testing of M.H lamp, CFL and latestmodel lamps
	2 nd	
	3 rd	
	4 th	measure inductance, Lux/ lumens (intensity of illumination) in each case-prepare lux table.
	5 th	
	6 th	
4 TH	1 st	Study battery charger and make charging of lead acidbattery (record charging voltage, current and specificgravity)
	2 nd	
	3 rd	
	4 th	Erection of residential building wiring by CTS wiringsystem using main two points
	5 th	
	6 th	
5 TH	1 st	Erection of residential building wiring by conduit wiringsystem using main two points
	2 nd	
	3 rd	
	4 th	Test installation by test lamp method and a meggar
	5 th	
	6 th	
6 TH	1 st	Fault finding & repairing of Ceiling Fan
	2 nd	
	3 rd	
	4 th	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts
	5 th	
	6 th	
7 TH	1 st	Find out fault of D.C. generator, repair
	2 nd	
	3 rd	
	4 th	Find out fault of D.C. generator, repair and test it to run.
	5 th	
	6 th	
8 TH	1 st	Find out fault of D.C. generator, repair and test it to run.
	2 nd	
	3 rd	
	4 th	Find out fault of D.C. generator, repair and test it to run.
	5 th	

	6 th	
9 TH	1 st	Find out fault of D.C. motor starters– prepare an inventory list of parts used in different starters.
	2 nd	
	3 rd	
	4 th	Find out fault of D.C. motor starters– prepare an inventory list of parts used in different starters.
	5 th	
	6 th	
10 TH	1 st	Find out fault of A.C motorstarter – prepare an inventory list of parts used in different starters.
	2 nd	
	3 rd	
	4 th	Find out fault of A.C motorstarter – prepare an inventory list of parts used in different starters.
	5 th	
	6 th	
11 TH	1 st	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	2 nd	
	3 rd	
	4 th	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	5 th	
	6 th	
12 TH	1 st	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	2 nd	
	3 rd	
	4 th	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	5 th	
	6 th	
13 TH	1 st	Dismantle over haul and assemble a three phase squirrelcage and phase wound motor. Test and run them.
	2 nd	
	3 rd	
	4 th	Dismantle over haul and assemble a three phase squirrelcage and phase wound motor. Test and run them.
	5 th	
	6 th	
14 TH	1 st	Dismantle over haul and assemble a three phase squirrelcage and phase wound motor. Test and run them.
	2 nd	
	3 rd	
	4 th	Dismantle over haul and assemble a three phase squirrelcage and phase wound motor. Test and run them.
	5 th	
	6 th	
15 TH	1 st	Overhaul a single phase and 3-phase variac
	2 nd	
	3 rd	
	4 th	Overhaul a single phase and 3-phase variac
	5 th	
	6 th	

The lesson plan prepared by the concerned faculty.

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