ACADEMIC LESSION PLAN FOR SESSION - 2022-23. Dept. of Electrical Engg, Govt. Polytechnic, Malkangiri.

Name of Teaching Faculty: Rajiv Ratan Patel **Electrical Workshop Practice**

Course Code:Pr-1 Theory :6 P/W

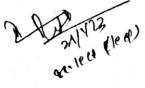
End Semester Exam :100marks

Examination: 3 Hours : **4**™ EE Total Period s: 90P/ Sem

Sessional:50

TOTAL MARKS : 100 Marks

WEEK	PERIOD	TOPIC
	151	Identification of single core (SC), twin core (TC),
1 st	_	
		three cores (3c), four cores (4c); copper and aluminum
		PVC, VIR & Weather proof (WP) wire and prepare
	2 nd	Britannia Tjoint and Married joint
	2	Identification of single core (SC), twin core (TC),
		three cores (3c), four cores (4c); copper and aluminum
	7 8 7,	PVC, VIR & Weather proof (WP) wire and prepare
	- 51	Britannia Tjoint and Married joint
2 nd	1 st	Cutting copper and aluminum cable and crimping lug
		to them from 2.5mm2 to 6 mm2 cross section
	2 nd	Cutting copper and aluminum cable and crimping lug
		to them from 2.5mm2 to 6 mm2 cross section
	1 st	Connection and testing of fluorescent tube light, high
		pressure M.V. lamp, sodium vapor lamp, M.H lamp, CFL
3 rd		and latest model lamps – measure inductance, Lux/ lumens
		(intensity of illumination) in each case
	2 nd	Connection and testing of fluorescent tube light, high
		pressure M.V. lamp, sodium vapor lamp, M.H lamp, CFL
		and latest model lamps - measure inductance, Lux/ lumens
		(intensity of illumination) in each case
4 th	1 st	Study battery charger and make charging of lead acid
		battery (record charging voltage
	2 nd	Study battery charger and make charging of lead acid
	22 8" 4 17 11 11 1 1 1	battery (record charging voltage
5 th	1 st	Erection of residential building wiring by CTS and conduit
		wiring system using main two points and test installation
		by test lamp method and a meggar.
•	2 nd	Erection of residential building wiring by CTS and conduit
	er 'T	wiring system using main two points and test installation
		by test lamp method and a meggar.
6 th	1 st	Fault finding & repairing of Ceiling Fan – prepare an
		inventory list of parts
	2 nd	Fault finding & repairing of Ceiling Fan – prepare an
	W 2 E	inventory list of parts



	1 st	Find out fault of D.C. generator, repair and test it to run.
7 th		
	2 nd	Find out fault of D.C. generator, repair and test it to run.
8 th	1''	Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters
8	2 nd	Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters
9 th	1 st	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list
9	2 nd	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list
	1 st	Problems on Distributor fed at one End.
10 th	2 nd	Distributor fed at both the ends
*	1 st	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them
11 th	2 nd	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them
- th	1 st	Overhaul a single phase and 3 phase variac
12 th	2 nd	Overhaul a single phase and 3 phase variac
th	1 st	Revision
13 th	2 nd	Revision
th	1 st	Revision
14 th	2 nd	Revision
15th	1st	Revision
19	2 nd	Revision

E TOTAL E Kert)

