

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

Sem : 4TH EE

Total Period s: 90P/ Sem

Sessional:50

TOTAL MARKS : 100 Marks

WEEK	PERIOD	TOPIC
1 st	1 st	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire and prepare Britannia Tjoint and Married joint
	2 nd	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire and prepare Britannia Tjoint and Married joint
2 nd	1 st	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section
	2 nd	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section
3 rd	1 st	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
	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 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 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 inventory list of parts

2/1/22
21/1/22
20-10-21 (1/1/22)



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


 21/1/23
 Sr. Lect (Elect)

