

Discipline: Electrical Engg.	Semester:3rd (Session-2025-2026)	Name of the Teaching Faculty: N . C BEHERA , Sr. Lect. (Electrical)	STATUS
Subject: DCM & T LAB Course Code: EEPC217	No.Of Days/Week Class Allotted = 4	Semester :From Date 14.07.2025 To Date: 15.11.2025 No. of Weeks: 15	
Week	Class Day	List of experiments /Practical	
1 st	1 st	Dismantle a DC machine	
2 nd	1 st	Reverse the direction of rotation of the DC shunt motor.	
3 rd	1 st	Control the speed of DC shunt motor by field flux control method.	
4 th	1 st	Control the speed of DC shunt motor by armature voltage control method.	
5 th	1 st	Perform the brake test on DC series motor.	
6 th	1 st	Check the functioning of single phase transformer	
7 th	1 st	Determine regulation and efficiency of single phase transformer by direct loading	
8 th	1 st	Perform open circuit on single phase transformer to determine equivalent circuit constants, voltage regulation and efficiency	
9 th	1 st	Perform short circuit test on single phase transformer to determine equivalent circuit constants, voltage regulation and efficiency	
10 th	1 st	Perform polarity test on a single-phase transformer whose polarity markings are masked.	
11 th	1 st	Perform phasing out test on a three-phase transformer whose phase markings are masked.	

12 th	1 st	Connect the autotransformer in step-up and step-down modes noting the input/output readings.	
13 th	1 st	Group discussion	
14 th	1 st	Group discussion	
15 th	1 st	Record submission and Grand Viva	



28.3.2022

HOD (Electrical)
Govt. Polytechnic Jaipur
At/Po-Ragadi(Jaipur Road)
Dist.-Jaipur - 755019, Odisha