

Course Type	Course Code	Name of Course	L	T	P	Credit
DP	MMC303	MINE ELECTRICAL TECHNOLOGY LAB	0	0	2	2

1.	Polarity test of transformer.
2.	Various connections of transformer winding for different vector group $Yy_0, Dd_0, Yd_1, Yd_{11}, Dy_1$ and $Dy_{11}$ .
3.	Determination of approximate equivalent circuit diagram, efficiency and voltage regulation of a single-phase transformer based on open circuit test and short circuit test.
4.	Determination of characteristics for parallel operation of the transformer.
5.	Determination of characteristics showing the variation of speed control of separately excited DC motor with the variation of Armature voltage and field control method.
6.	Determination of performance characteristics of induction motor.
7.	Determination of IDMT characteristics of Over-Current Relay.
8.	Determination of characteristics of a Thermal Overload Relay.
9.	Determination of CBT characteristics and operation of Earth Fault Relay.
10.	Determination of insulation of Motor and cable.
11.	Determination of Earth Resistance.
12.	Determination of characteristics for Transformer Oil.