



# **SNS COLLEGE OF ENGINEERING**

Kurumbapalayam (Po), Coimbatore – 641 107

**An Autonomous Institution**

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade  
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

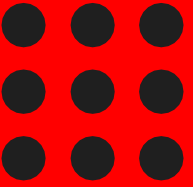
**COURSE NAME : 19EE303- DC MACHINES & TRANSFORMERS**

(Theory Integrated Practical)

II YEAR /III SEMESTER EEE

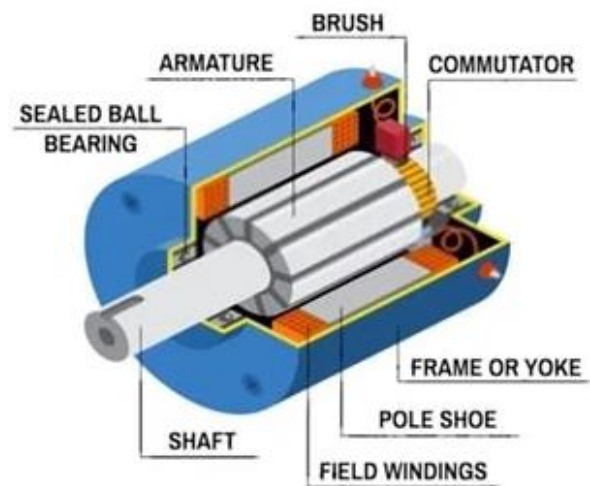
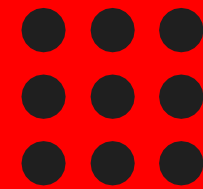
Unit 1 – DC Generator

Topic 1 : Introduction to Course



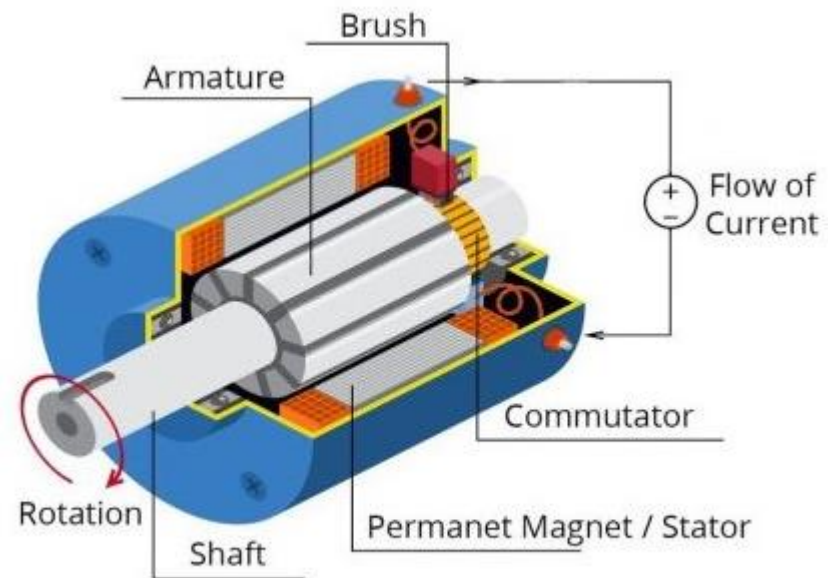
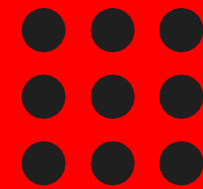


# UNIT-1 : DC GENERATOR



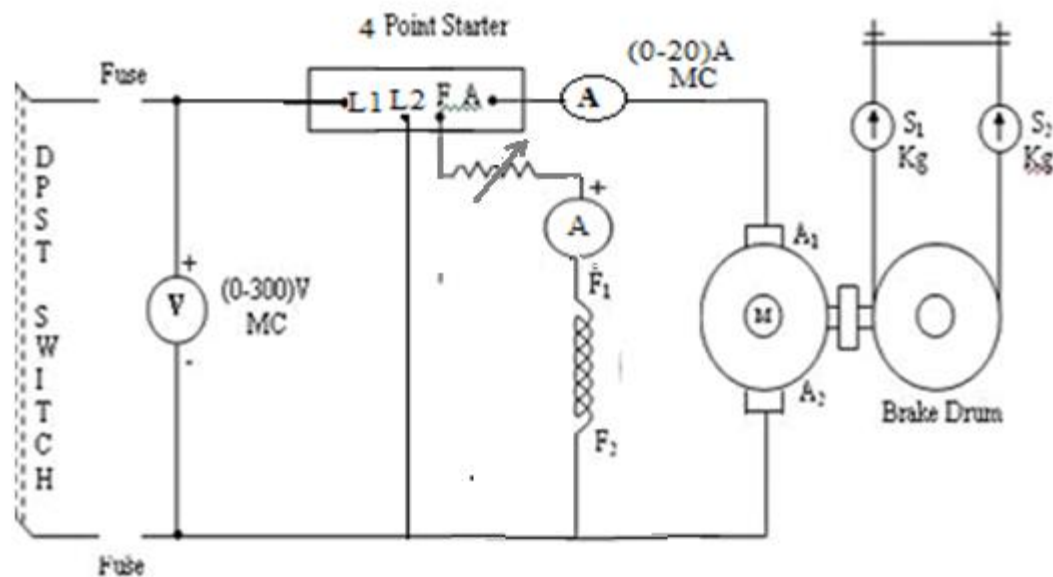


# UNIT-II DC MOTOR



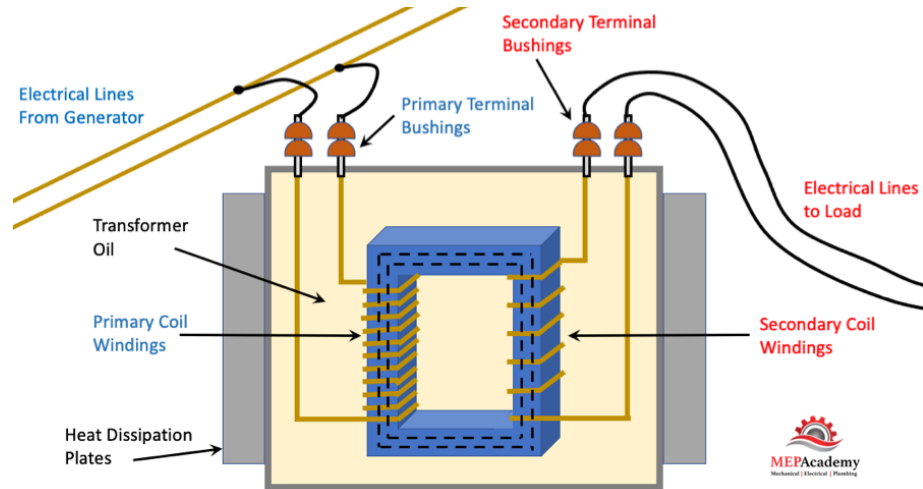
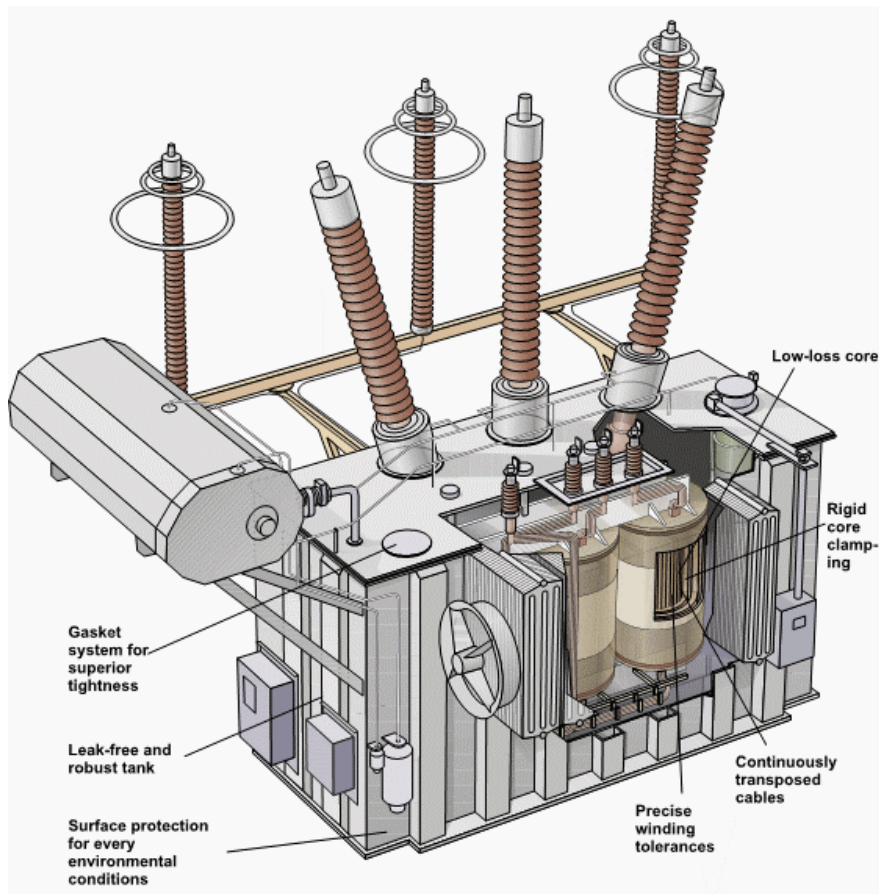


# UNIT-III TESTING AND APPLICATIONS OF DC MACHINES





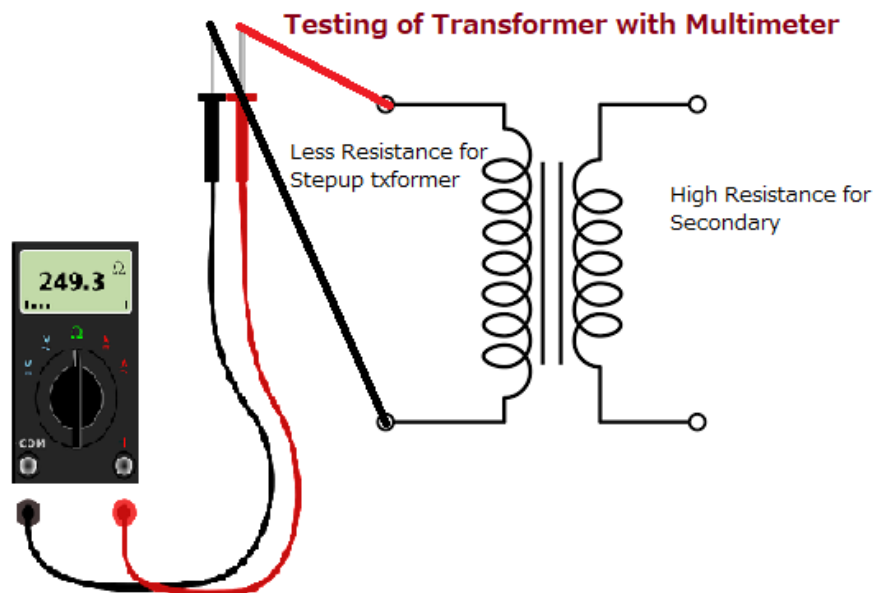
# UNIT-IV TRANSFORMERS







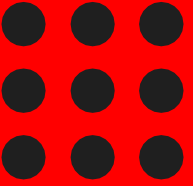
# UNIT-V TESTING AND APPLICATIONS OF TRANSFORMERS





# ESSENTIALS FOR THE LEARNING THE COURSE

1. Industrial Visit
2. Industrial Case study
3. Demo Model Creation
4. Industry Specific Question Paper
5. Top Contest Participation
6. PPT Preparation
7. Assessment
8. Feedback
9. Seminar Presentation





# INTERNAL MARKS PATTERN

S. No	Item	Marks
1	Internal Assessment Tests	20
2	Model Practical Exam	20
3	Record Assessment	10
4	GROUP A Case study / Mini Project / Innovative Work / Competitions / Prototype or Product Demonstration, etc. (as applicable)	5
5	GROUP B Seminar Presentation / Assignment / Quiz / Paper presentation / Paper publication / Technical Writing / Open book test / Poster preparation	5
<b>Grand Total</b>		<b>60</b>

The End Semester Examination is to be conducted as theory exam & practical exam





# REFERENCES

1. Nagrath I. J and Kothari D. P. “Electric Machines”, Fourth Edition, Tata McGraw Hill Publishing Company Ltd, 2016. (UNIT I-V)
2. K.Murugesh Kumar, “D.C Machines and Transformers” Vikas publishing house private limited ,New Delhi. 2014. (UNIT I-V)
3. P. C. Sen., “Principles of Electrical Machines and Power Electronics”, John Wiley & Sons, 1997 .
4. Syed A. Nasar, “Electric Machines and Power Systems: Volume I”, Mcgraw-Hill College; International Edition, January 1995.
5. Deshpande M. V., “Electrical Machines” PHI Learning Pvt. Ltd., New Delhi, 2018.
6. P.S. Bimbhra, “Electrical Machinery”, Khanna Publishers, 2013.

## THANK YOU