

# **DIPLOMA IN ELECTRICAL ENGINEERING**

## **PART A : BASIC**

1. Fundamental Of Electrical Engineering
2. Electrical Circuit And Network

## **PART B : MACHINES**

1. D.C Machine & Transformers
2. A.C Machines
3. Testing & Maintenance Of Electrical Machines

## **PART C : POWER SYSTEM**

1. Electrical Power Generation
2. Transmission & Distribution Of Electric Power
3. Switchgear and Protection

## **PART D : ELECTRONICS**

1. Basic Electronics
2. Applied Electronics
3. Power Electronics And Drives
4. Microprocessor and Microcontroller

## **PART E : EXTRA**

1. Electrical Measurements
2. Instrumentation
3. Electric Traction
4. Electrical Estimation & Costing
5. Utilisation Of Electrical Energy
6. Energy Conservation And Audit

## **PART F : OTHER**

1. Heating, Ventilation And Air Conditioning
2. Management

## **SECTION : PRACTICAL**

1. Fundamentals Of Electrical Engineering
2. Electrical Workshop Lab
3. Electrical Circuit and Network Lab
4. Electrical Engineering
5. DC Machine and Transformers Lab
6. AC Machines Lab
7. Testing & Maintenance of Electrical Machines

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# Diploma In Electrical Engineering Syllabus

**ML Morrison**

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, **The Electrical Engineer** ,1897 Proceedings Institution of Radio and Electronics Engineers, Australia,1972  
*The Electrical Engineer* ,1911 OUTCOME-BASED CURRICULUM IN ENGINEERING EDUCATION EARNEST, JOSHUA,GUPTA, SHASHI KANT,2021-11-02 Engineering Education has emerged as a fast developing discipline in itself with universities across the world opening up exclusive Departments of Engineering Education which is also impacting the socio economic system in India Most of the engineering institutions in India are part of the hub and spoke university education system unique to India Scientifically developing the Outcome based Curriculum OBC uniformly across India has been a daunting task due to the dearth of an authentic book on OBC addressing the need of the Indian Engineering Education System This being the first book of its kind in India and with OBC serving as the Constitution of Outcome based Education OBE it will go a long way to address this need The unique feature of this book is that it is replete with examples to explain the various concepts of planning designing and implementing the OBC in engineering institutions Different aspects of Outcome based Teaching Learning OBTL and Outcome based Assessment OBA are also discussed vividly Apart from the examples weaved into the lucidly written seven chapters additional examples and important formats are provided in the Annexures another unique feature of this book Every engineering UG PG or Diploma teacher would be happy to possess a personal copy of this book for 24x7 access which will help to clear their doubts as it arises then and there TARGET AUDIENCE Technical Instruction Technical Teacher Trainers Curriculum Specialists Instructional Designers Education Policy Makers What the reviewers say The technical education has to adopt Outcome Based Curriculum and there was a dire need of authentic literature which would serve as a base document for scientifically developing OBC The book reflects the expertise of both the authors who have more than 30 years of experience in industry and academics in designing and implementing different variants of OBC for various technical education programmes Such a book will serve as a reference for future generations to avoid re inventing the wheel again and again Dr M P Poonia Vice Chairman AICTE National Institute of Technical Teacher Training and Research NITTTR Bhopal has been spearheading different forms of OBC for the last five decades in which the authors have contributed substantially Care has been taken such that this book will not only benefit the Indian engineering education system but also the engineering teaching fraternity at the international context Dr C Thangaraj Director NITTTR Bhopal Nature ,1898 *The Electrical Journal* ,1910 The Educational Times, and Journal of the College of Preceptors ,1906 **The Electrician** ,1916 **Educational Times** ,1896 Calendar Imperial College of Science and Technology,1933 **Electrical Engineer** ,1988-07 **Nature** Sir Norman Lockyer,1893 *Bhārata Kā Rājapatra* ,1885 *Electrical Engineering* ,1914 The Proceedings of the Institution of Electrical Engineers ,1949 Calendar University of Adelaide,1967 **Journal** ,1960 *Mining Journal, Railway & Commercial Gazette* ,1911 British Universities' Guide to Graduate Study ,1993

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