

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
-

Diploma In Electrical Engineering Syllabus

Guillaume Favre



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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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membuat titik berat pita menentukan momen terhadap sumbu x dan sumbu y selanjutnya menghitung titik berat tersebut dengan integral 4 untuk menghitung momen inersia langkahnya dimulai dengan membuat pita sejajar dengan garis l sumbu x dan titik berat pita kemudian dibentuk hasil kali luas

menghitung titik berat dan momen inersia penampang balok - May 19 2023

sep 7 2023 $x = 100$ 82104 mm 104 cm sementara untuk sumbu y karena masing-masing elemen siku $1100 \times 100 \times 10$ posisi titik berat y nya berjarak sama dari sumbu dasar maka titik berat gabungannya juga akan sama $y = 271$ cm ada rumus umum mencari titik berat gabungan penampang berlaku juga untuk sumbu y

titik berat momentum sudut torsi momen inersia pdf scribd - Feb 04 2022

145 contoh soal dan pembahasan1 sebuah partikel bermassa 0.5 gram melakukan gerak melingkar dengan kecepatan sudut tetap 2 rad/s jika jari-jari lintasan partikel 10 cm maka momentum sudut partikel itu adalah pembahasan momentum sudut partikel $10.5 \times 10^{-5} \text{ kg m}^2 \text{ s}^{-1} \times 10.5 \text{ kg m}^2 \text{ s}^{-2}$

rumus momen inersia rumushitung.com - Sep 11 2022

aug 26 2017 sedangkan bola pejal berjari-jari 5 cm dan massa 4 kg jika kedua benda tadi berotasi dengan poros melalui pusatnya maka tentukan perbandingan momen inersia silinder dan bola jawab $m = 2 \text{ kg}$ $r = 8 \text{ cm}$ 8102 m $m = 4 \text{ kg}$ $r = 5 \text{ cm}$ 102 m momen inersia silinder pejal adalah $I = \frac{1}{2} m r^2 = \frac{1}{2} \times 2 \times 8^2 = 64 \text{ kg m}^2$

momen inersia konsep rumus contoh soal momen inersia - Feb 16 2023

besarnya momen inersia suatu benda bergantung terhadap beberapa faktor yaitu massa benda atau partikel geometri benda bentuk letak sumbu putar benda jarak ke sumbu putar benda lengan momen rumus momen inersia besarnya momen inersia I suatu benda bermassa yang memiliki titik putar pada sumbu yang diketahui dirumuskan sebagai berikut

fakultas teknik jurusan teknik sipil universitas brawijaya - Mar 17 2023

menentukan titik berat penampang berhubung momen inersia yang diinginkan akan dipergunakan dalam perhitungan lenturan maka momen inersia ini haruslah diperhitungkan terhadap sumbu yang melalui titik berat penampang keterangan luas $a \text{ mm}^2$ jarak titik berat thd garis bawah $y \text{ mm}$ $a \times y \text{ mm}^3$ luas total $40 \times 60 = 2400$ $30 \times 2400 = 72000$

contoh perhitungan momen inersia seputar dunia teknik sipil - May 07 2022

dec 1 2009 sekedar pengingat saja untuk persegi momen inersia nya adalah dan lokasi titik beratnya ada pada seperdua lebar dan seperdua tinggi persegi sementara untuk segitiga siku-siku momen inersia dan lokasi titik beratnya ada

fakultas teknik jurusan teknik sipil universitas brawijaya - Dec 14 2022

menentukan titik berat penampang berhubung momen inersia yang diinginkan akan dipergunakan dalam perhitungan lenturan maka momen inersia ini haruslah diperhitungkan terhadap sumbu yang melalui titik berat penampang keterangan luas $a \text{ mm}^2$ jarak titik berat thd alas $y \text{ mm}$ $a \times y \text{ mm}^3$ luas total $40 \times 60 \text{ 2400}$ 30 2400 $\times 30 \text{ 72000}$ luas