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Qualitative
Research Methods -
collection,
organization, and
analysis strategies
This text shows

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novice researchers how to design, collect, and analyze qualitative data and then present their results to the scientific community. The book stresses the importance of ethics in research and taking the time to properly design and think through

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any research endeavor. Learning Goals Upon completing this book, readers should be able to: Effectively design, collect, organize, and analyze data and then to present results to the scientific community Use the Internet as both a

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resource and a means for accessing qualitative data Explore current issues in the world of researchers, which include a serious concern about ethical behavior and protocols in research and a more reflexive and

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sensitive role for
the researcher
Recognize the
importance of
ethical concerns
before they actually
begin the research
collection,
organization, and
analytic process
Understand basic
elements associated
with researcher
reflexivity and

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research voice

This publication deals with the language of engineers, i.e., Engineering Graphics. It is based on the syllabus of Gujarat Technological University and also useful for the students of other Indian Universities

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and the Technical Examination Boards of Various States. In this revised edition, a new section, ' Additional Problems ' is given at last

Communicative English for Engineers and Professionals covers the syllabi of B. Tech, BE,

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B.Com, M.Com,
BBA, MBA,
hospitality, B.
Pharma, nursing,
physiotherapy, and
other courses. It
integrates learning
modules for spoken
and written skills in
English to give the
readers an edge in
their careers.
Focusing on the
requirements of

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professionals and students, this book equips them to effectively communicate and present themselves at their workplace and other interactive spheres.

Bruce F. Adams examines how Russia's Main Prison Administration was

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created, the number of prisoners it managed in what types of prisons, and what it accomplished. While providing a thorough account of prison management at a crucial time in Russia's history, Adams explores broader discussions of reform within

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Russia's government and society, especially after the Revolution of 1905, when arguments on such topics as parole and probation boiled in the arena of raucous public debate.

Understanding
Statistics in the
Behavioral Sciences

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Adaptive Numerical
Solution of PDEs
Masterly ' s series
LAB MANUAL OF
ANALYTICAL
CHEMISTRY For
B.Pharm and
Pharm.D First Year
As Per GTU & PCI
SYLLABUS
Paper
Thermal
Engineering
The book

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enumerates the concepts related to C programming language. The best way to learn any programming language is through examples. The book uses the

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*same approach
- each concept
is followed by
an appropriate
example to
understand the
implementation
of the learned
concepts. The
book begins
with the basic
components of*

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*a computer and
their
functions,
concepts of
hardware and
software,
types of
software,
compilers,
interpreter,
linkers and
loaders,*

Acces PDF Gtu
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*programming
languages,
flowcharts and
algorithms.
The book
explains C
program
structure,
data types,
constants,
variables,
expressions,*

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*operators, I/O
functions and
control
structures. It
teaches you
how to use
arrays,
strings,
functions,
pointers,
files,
structures,*

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*dynamic memory
allocation,
storage
classes and
command line
arguments. It
also explains
the searching
and sorting
algorithms.
Questions and
answers at the*

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*end of each
chapter help
readers to
revise the
essential
concepts
covered in the
chapter.*

*Operating
System is an
insightful
work that*

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*elaborates on
fundamentals
as well as
advanced
topics of the
discipline. It
offers an in-
depth coverage
of concepts,
design and
functions of
an operating*

Acces PDF Gtu
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system

*irrespective
of the
hardware used.
With neat
illustrations
and examples
and
presentation
of difficult
concepts in
the simplest*

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*form, the aim
is to make the
subject
crystal clear
to the
students, and
the book
extremely stud
ent-friendly.
The book
proposes new
technologies*

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*and discusses
future
solutions for
design
infrastructure
for ICT. The
book contains
high quality
submissions
presented at
Second
International*

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*Conference on
Information
and
Communication
Technology for
Sustainable
Development
(ICT4SD -
2016) held at
Goa, India
during 1 - 2
July, 2016.*

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The conference stimulates the cutting-edge research discussions among many academic pioneering researchers, scientists, industrial engineers, and

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*students from
all around the
world. The
topics covered
in this book
also focus on
innovative
issues at
international
level by
bringing
together the*

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*experts from
different
countries.*

*Masterly's
series LAB*

MANUAL OF

ANALYTICAL

CHEMISTRY For

B.Pharm and

Pharm.D First

Year As Per

GTU & PCI

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SYLLABUS

*Control System
Theory*

*Prison Reform
in Russia,
1863–1917*

*Port and
Harbour
Engineering
Handbook of
Granular*

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Computing

Drawn from the 7th
Glion Colloquium
held in 2009, this
volume considers
the role of research
universities in an
innovation-driven
global society.

Whether in the "old
world" of Europe
and North America
or in rapidly
developing nations,

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the message is clear: innovation has become the key to prosperity and social well-being in a hypercompetitive global economy. Part I introduces several forms of economic, technological, and social innovation. Part II discusses

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agents of innovation from the points of view of a research university, industry, and national innovation policies. Part III presents university leaders from long-established and emerging institutions to compare how

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regional and institutional characteristics shape innovation strategies. Part IV focuses on approaches to innovation at national and institutional levels, including a U.S. approach to energy challenges, the shift of high-tech

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industry toward open innovation, and the challenges of creating world-class universities. Part V addresses the intellectual character of innovation and its relationship to the university's mission. Today's economy requires not only leadership

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in innovation but also educated citizens capable of applying technology, talent, and capital in new ways. Institutions of higher learning must collaborate with industry and government to create a climate and culture that enable innovation

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to thrive.

Data and File
Structure has been
specifically
designed to meet
the requirements
of the engineering
students of GTU.
This is a core
subject in the
curriculum of all
Computer Science
programs. The aim
of this book is to

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help the students develop programming and algorithm analysis skills simultaneously such that they are able to design programs with maximum efficiency. C language has been used in the book to permit the

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execution of basic data structures in a variety of ways.

Key Features 1.

Simple and easy-to-

follow text 2. Wide

coverage of topics

3. Programming

examples for

clarity 4. Summary

and exercises at

the end of each

chapter to test

your knowledge 5.

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Answers to
selected exercises
6. University
question papers
with answers 7.
Objective type
questions for
practice
The book
Operating System
is an insightful
work that
elaborates on
fundamentals as

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well as advanced topics of the discipline. Keeping the needs of the students in mind, this book offers an in-depth coverage of concepts, design and functions of an operating system irrespective of the hardware used. With neat illustrations and

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examples and presentation of difficult concepts in the simplest form, the aim is to make the subject crystal clear to the students, and the book extremely student-friendly. The book caters to undergraduate students of most Indian universities,

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who would find the introductory and advanced discussions highly informative and enriching. Tailored as a guide for self-paced learning the book equips budding system programmers with the right knowledge and expertise. The

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topics covered
include:

Organization of the
computer system;
communication
between
processes; threads
and multithreading
models; scheduling
criteria and
algorithms;
synchronization
among cooperating
processes;

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deadlock situation;
memory
management;
virtual memory; I/O
system; disk
scheduling
algorithms, disk
management,
swap-space
management and
RAID; file types,
attributes and
access methods;
managing files,

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directories and disc space; security and protection in computers; UNIX and Linux operating systems; implementation of various OS concepts in Windows 2000; multiprocessor and distributed systems.

The book presents

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high-quality, peer-reviewed papers from the FICR International Conference on Rising Threats in Expert Applications and Solutions 2022 organized by IIS (Deemed to be University), Jaipur, Rajasthan, India, during January 7-8, 2022. The volume

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is a collection of innovative ideas from researchers, scientists, academicians, industry professionals, and students. The book covers a variety of topics, such as expert applications and artificial intelligence/machine learning; advance

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web technologies
such as IoT, big
data, cloud
computing in
expert
applications;
information and
cyber security
threats and
solutions,
multimedia
applications in
forensics, security
and intelligence;

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advancements in
app development;
management
practices for expert
applications; and
social and ethical
aspects in expert
applications
through applied
sciences.

VLSI, Technology
and Design
SUSE 2021
University

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Research for
Innovation
Solutions!

Power Electronics

The book intended
exclusively for the
usage of students,
teachers and persons
who are related to
competitive exams.

The book is based on
our experience over
the past 8 years and
design on the basis of

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current competitive level of Engineering like IIT JEE mains/ Advanced, MHT-CET, BITSAT + NTSE, KVPY, Olympiad, IIT Foundation + CAT and other state engineering exams in India, where 1194938 i.e. around 12 Lakh of students (Year 2016) write a single engineering exam. As

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an educator, I understand the student's need of these topics and the difficulties faces by students in transition from standard 10th to 11th class. As students enter their 11th standard, they find a substantial change in the course content and level of difficulty. They find

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some totally new concepts of Mathematics, widely used in Physics and Chemistry. They may be completely unfamiliar with concepts of absolute value, Interval Methods, Set Notation, inequalities etc. The book has been prepared for them to learn the

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concepts of algebra from basic to advanced level of thinking. The book is prepared to serve as a bridge for 10th to 11th standards, CAT aspirants etc.

Software engineers can also be in benefit in writing the code due to concepts clarity. The book contains the following

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Learning

Methodology. (i) Basic concepts and easy learning. (ii)

Necessary examples and experiments for beginners level to expert. (iii)

Psychology of student's brain and their thinking. (iv)

Pictorial view of problems and solutions. (v)

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Challenging problems
(Ultimate Finish □ for
Top All India Rankers
between 1 - 500). (vi)
Exercises and
Assignments to test
the understanding
and growing
knowledge. (vii)
Sample Test Paper to
have experience
before actual exam.
(viii) Puzzles and
interactive learning to

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keep interest. (ix)

How to make notes to
up-to-date and add
your thinking inside
the book. (x) Archive
of IIT-JEE

Mains/Advanced. (xi)

All types of questions
(Single and Multi-
correct, Integer Type,
Comprehension,
Assertion-reason,
Matrix-Match) i.e
Subjective and

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Objective both.

The importance of various electrical machines is well known in the various engineering fields.

The book provides comprehensive coverage of the magnetic circuits, magnetic materials, single and three phase transformers and d.c. machines.

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The book is structured to cover the key aspects of the course Electrical Machines - I. The book starts with the explanation of basics of magnetic circuits, concepts of self and mutual inductances and important magnetic materials. Then it explains the fundamentals of

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single phase transformers including the construction, phasor diagram, equivalent circuit, losses, efficiency, methods of cooling, parallel operation and autotransformer. The chapter on three phase transformer provides the detailed discussion of construction,

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connections, phasor groups, parallel operation, tap changing transformer and three winding transformer. The various testing methods of transformers are also incorporated in the book. The book further explains the concept of electromechanical

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energy conversion including the discussion of singly and multiple excited systems. Then the book covers all the details of d.c. generators including construction, armature reaction, commutation, characteristics, parallel operation and applications. The

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book also includes the details of d.c. motors such as characteristics, types of starters, speed control methods, electric braking and permanent magnet d.c. motors. Finally, the book covers the various testing methods of d.c. machines including Swinburne's test,

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brake test, retardation test and Hopkinson's test. The book uses plain, lucid language to explain each topic. The book provides the logical method of explaining the various complicated topics and stepwise methods to make the understanding easy. Each chapter is well supported with

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necessary

illustrations, self-explanatory diagrams and variety of solved problems. All the chapters are arranged in a proper sequence that permits each topic to build upon earlier studies. The book explains the philosophy of the subject which makes the understanding of

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the concepts very clear and makes the subject more interesting.

Masterly's Series
LAB MANUAL OF
PHARMACEUTICS-I
For Diploma
Pharmacy First Year
as Per GTU & PCI
SYLLABUS

The book is written for an undergraduate course on the theory

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of Feedback Control Systems. It provides comprehensive explanation of theory and practice of control system engineering. It elaborates various aspects of time domain and frequency domain analysis and design of control systems. Each chapter starts with the background of the

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topic. Then it gives the conceptual knowledge about the topic dividing it in various sections and subsections. Each chapter provides the detailed explanation of the topic, practical examples and variety of solved problems. The explanations are given using very simple and lucid

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language. All the chapters are arranged in a specific sequence which helps to build the understanding of the subject in a logical fashion. The book starts with explaining the various types of control systems. Then it explains how to obtain the mathematical models of various types of

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systems such as electrical, mechanical, thermal and liquid level systems. Then the book includes good coverage of the block diagram and signal flow graph methods of representing the various systems and the reduction methods to obtain simple system from the

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analysis point of view.

The book further illustrates the steady state and transient analysis of control systems. The book covers the fundamental knowledge of controllers used in practice to optimize the performance of the systems. The book emphasizes the

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detailed analysis of second order systems as these systems are common in practice and higher order systems can be approximated as second order systems. The book teaches the concept of stability and time domain stability analysis using Routh-Hurwitz method and

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root locus method. It further explains the fundamentals of frequency domain analysis of the systems including correlation between time domain and frequency domain. The book gives very simple techniques for stability analysis of the systems in the frequency domain,

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using Bode plot, Polar plot and Nyquist plot methods. It also explores the concepts of compensation and design of the control systems in time domain and frequency domain. The classical approach loses the importance of initial conditions in the systems. Thus the book provides the

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detailed explanation of modern approach of analysis which is the state variable analysis of the systems including methods of finding the state transition matrix, solution of state equation and the concepts of controllability and observability. The book also introduces

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the concept of discrete time systems including digital and sample data systems, z-transform, difference equations, state space representation, pulse transfer functions and stability of linear discrete time systems. The variety of solved examples is the feature of this book

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which helps to inculcate the knowledge of the design and analysis of the control systems in the students. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

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The Politics of
Punishment
Control System
Engineering
Fundamentals and
Applications
Operating System
(For GTU)
Programming for
Problem Solving
Power semiconductor
devices are discussed
in first chapter. SCR,

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GTO, LASCR, RCT,
MCT, characteristics,
rating turn-off and
turn-on is presented.

Power BJT,
MOSFET, IGBT,
driving circuits,
protection and
snubber circuits are
also discussed.

Commutation circuits
and series and parallel
operation are

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presented. Single and three phase controlled converters are given in second chapter. Half wave, full wave, midpoint, semiconverters, full converters, dual converters and effect of source inductance is also given.

Operation with resistive and inductive

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load is discussed.

Third chapter presents AC voltage controllers and cycloconverters.

On-off control, phase control, triac based controllers are given.

Cycloconverters and operations with inductive as well as resistive load are discussed. Choppers are given in fourth

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chapter. Step down, step up, voltage, current and load commutated choppers are given.

Classification is also discussed. Last chapter presents inverters. Half bridge, full bridge, quasi square wave, push-pull, thyristorized inverters with resistive

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and inductive loads are given. Switching techniques for PWM inverters are also given.

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text

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clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine

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learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science.

Based on feedback

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from extensive
classroom experience,
the book has been
carefully structured in
order to make
teaching more natural
and effective. Slides
and additional
exercises (with
solutions for lecturers)
are also available
through the book's
supporting website to

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help course instructors
prepare their lectures.

The book strictly
complies with the new
syllabus of Gujrat
Technological
University,

Ahmedabad, for B.E.

First year of all
braches of

Engineering. The
subject matter is

presented in a graded

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stepwise, easy to follow
style. Each chapter
includes

Multiple Choice
Questions, Review
Questions and
Exercises for easy
recapitulation.

The book is written
for an undergraduate
course on the
Feedback Control
Systems. It provides

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comprehensive
explanation of theory
and practice of control
system engineering. It
elaborates various
aspects of time
domain and frequency
domain analysis and
design of control
systems. Each chapter
starts with the
background of the
topic. Then it gives

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the conceptual knowledge about the topic dividing it in various sections and subsections. Each chapter provides the detailed explanation of the topic, practical examples and variety of solved problems. The explanations are given using very simple and lucid

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to obtain simple
system from the
analysis point of view.

The book further
illustrates the steady
state and transient
analysis of control
systems. The book
covers the
fundamental
knowledge of
controllers used in
practice to optimize

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the performance of the systems. The book emphasizes the detailed analysis of second order systems as these systems are common in practice and higher order systems can be approximated as second order systems. The book teaches the concept of stability

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and time domain stability analysis using Routh-Hurwitz method and root locus method. It further explains the fundamentals of frequency domain analysis of the systems including co-relation between time domain and frequency domain. The book

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transition matrix,
solution of state
equation and the
concepts of
controllability and
observability. The
variety of solved
examples is the
feature of this book
which helps to
inculcate the
knowledge of the
design and analysis of

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the control systems in the students. The book explains the philosophy of the subject which makes the understanding of the concepts very clear and makes the subject more interesting.

Proceedings of the
International
Symposium on

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Sustainable Energy
and Power

Engineering 2021

Elements of

Mechanical

Engineering(GTU)

Information and

Communication

Technology for

Sustainable

Development

Advance Computing

Technology

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SYLLABUS

Engineering

Mathematics

Iii (For

Gtu) Pearson

Education Indi

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*aEngineering
Physics (with
Practicals)
(GTU), 8th
EditionVikas
Publishing
House
Based on over
30 years of
successful
teaching
experience in*

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this course,

Robert

Pagano's

introductory

text takes an

intuitive,

concepts-based

approach to

descriptive

and

inferential

statistics. He

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*uses the sign
test to
introduce
inferential
statistics,
empirically
derived
sampling
distributions,
many visual
aids, and lots
of interesting*

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*examples to
promote
student
understanding.
One of the
hallmarks of
this text is
the positive
feedback from
students --
even students
who are not*

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*mathematically
inclined
praise the
text for its
clarity,
detailed
presentation,
and use of
humor to help
make concepts
accessible and
memorable.*

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*Thorough
explanations
precede the
introduction
of every
formula, and
the exercises
that
immediately
follow include
a step-by-step
model that*

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work against
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examples. This
combination
makes the text
perfect for
students
taking their
first
statistics*

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and behavioral
sciences.
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within the
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description or*

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*This book
constitutes
the refereed
proceedings of
the 31st
International
Conference,*

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Performance
2016 [formerly
known as the
International
Supercomputing
Conference]
held in
Frankfurt,
Germany, in
June 2016. The
25 revised**

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*full papers
presented in
this book were
carefully
reviewed and
selected from
60
submissions.
The papers
cover the
following
topics:*

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**Autotuning and
Thread**

Mapping; Data

Locality and

Decomposition;

Scalable

Applications;

Machine

Learning;

Datacenters

andCloud;

Communication

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*Runtime; Intel
Xeon Phi;
Manycore
Architectures;
Extreme-scale
Computations;
and
Resilience.
Although the
notion is a
relatively
recent one,*

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*the notions
and principles
of Granular
Computing
(GrC) have
appeared in a
different
guise in many
related fields
including
granularity in
Artificial*

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*Intelligence,
interval
computing,
cluster
analysis,
quotient space
theory and
many others.
Recent years
have witnessed
a renewed and
expanding*

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*interest in
the topic as
it begins to
play a key
role in bioinf
ormatics, e-
commerce,
machine
learning,
security, data
mining and
wireless*

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mobile

*computing when
it comes to
the issues of
effectiveness,
robustness and
uncertainty.
The Handbook
of Granular
Computing
offers a
comprehensive*

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reference

**source for the
granular
computing
community,
edited by and
with
contributions
from leading
experts in the
field.**

Includes

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chapters

*covering the
foundations of
granular
computing,
interval
analysis and
fuzzy set
theory; hybrid
methods and
models of
granular*

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*computing; and
applications
and case
studies.*

*Divided into 5
sections:*

*Preliminaries,
Fundamentals,
Methodology
and*

*Algorithms,
Development of*

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*Hybrid Models
and
Applications
and Case
Studies.*

*Presents the
flow of ideas
in a
systematic,
well-organized
manner,
starting with*

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*the concepts
and motivation
and proceeding
to detailed
design that
materializes
in specific
algorithms,
applications
and case
studies.
Provides the*

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*reader with a
self-contained
reference that
includes all
pre-requisite
knowledge,
augmented with
step-by-step
explanations
of more
advanced
concepts. The*

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***Handbook of
Granular
Computing
represents a
significant
and valuable
contribution
to the
literature and
will appeal to
a broad
audience***

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*including
researchers,
students and
practitioners
in the fields
of
Computational
Intelligence,
pattern
recognition,
fuzzy sets and
neural*

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*networks,
system
modelling,
operations
research and b
ioinformatics.
Mathematics
the First Step
Qualitative
Research
Methods for
the Social*

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Sciences:

**Pearson New
International
Edition
Data and File
Structure (For
GTU), 2nd
Edition
For People,
Processes and
Paper
Basic**

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***Mechanical
Engineering***

Numerical
mathematics is a
subtopic of
scientific
computing. The
focus lies on the
efficiency of
algorithms, i.e.
speed, reliability,
and robustness.

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This leads to adaptive algorithms. The theoretical derivation and analyses of algorithms are kept as elementary as possible in this book; the needed slightly advanced mathematical

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theory is

summarized in the
appendix.

Numerous figures
and illustrating
examples explain
the complex data,
as non-trivial
examples serve
problems from
nanotechnology,
chirurgy, and

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physiology. The book addresses students as well as practitioners in mathematics, natural sciences, and engineering. It is designed as a textbook but also suitable for self study.

Mechanical

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engineering, as its name suggests, deals with the mechanics of operation of mechanical systems. This is the branch of engineering which includes design, manufacturing, analysis and

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maintenance of
mechanical
systems. It
combines
engineering
physics and
mathematics
principles with
material science to
design, analyse,
manufacture and
maintain

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mechanical

systems. This book covers the field requires an understanding of core areas including thermodynamics, material science, manufacturing, energy conversion systems, power

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transmission

systems and
mechanisms. My
hope is that this
book, through its
careful
explanations of
concepts, practical
examples and
figures bridges the
gap between
knowledge and

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proper application of that knowledge. During the 19th century, the engineering of ports and harbours became a large and specialised branch of the profession. This development began in ports in

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physically difficult locations and may be particularly identified with the growth of the Port of Liverpool.

Stimulated by the arrival of ever-larger steamships and the heavy investment in port facilities that they

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demanded, it spread around much of the world. The opening papers give examples of what could be achieved in antiquity; the following ones set out the advances in design and technology from

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1700 to the start of this century - and note some of the failures and recurrent problems. They also illustrate the critical importance of political and economic factors in determining what the engineers

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achieved.

Thorough
reference to
numerical
techniques used
for simulating
metal forming
operations.

Operating System
(For Anna)
Introduction to
Information

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Retrieval

Proceedings of
ICT4SD 2016,
Volume 2

Engineering
Mathematics Iii
(For Gtu)

Engineering
Physics (with
Practicals) (GTU),
8th Edition

Volume is indexed by

Page 141/150

Thomson Reuters BCI (WoS). A forum of researchers, educators and engineers involved in various aspects of Machine Design provided the inspiration for this collection of peer-reviewed papers. The resultant dissemination of the latest research results, and the exchange of views concerning the

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future research directions to be taken in this field will make the work of immense value to all those having an interest in the topics covered. The book reflects the cooperative efforts made in seeking out the best strategies for effecting improvements in the quality and the reliability of machines

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*and machine parts and
for extending their
fields of application.*

*This book reports on
innovative research and
developments in
automation. Spanning a
wide range of
disciplines, including
communication
engineering, power
engineering, control
engineering,
instrumentation, signal*

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processing and cybersecurity, it focuses on methods and findings aimed at improving the control and monitoring of industrial and manufacturing processes as well as safety. Based on the International Russian Automation Conference, held on September 5-11, 2021,

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in Sochi, Russia, the book provides academics and professionals with a timely overview of and extensive information on the state of the art in the field of automation and control systems, and fosters new ideas and collaborations between groups in different countries. .

Engineering Physics

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has been specifically designed and written to meet the requirements of the engineering students of GTU. All the topics and sub-topics are neatly arranged for the students. A number of assignment problems, along with questions and answers, have also been provided. MCQs for the bridge course have been designed in

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such a way that the students can recollect every concept that they have read and apply easily during the examination. KEY FEATURES • Detailed discussion of every topic from elementary to comprehensive level with several worked-out examples • A section on practicals • Solved Question Papers- Dec

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***2013 and June 2014 •
As per the syllabus for
2013-14***

***Rising Threats in
Expert Applications and
Solutions***

***ASME Technical
Papers***

***Proceedings of the
International Russian
Automation***

***Conference,
RusAutoCon2021,
September 5-11, 2021,***

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Sochi, Russia

*Fundamentals of
Machine Design*

*The beginner's choice
for engineering exams
preparation. ok for JEE
Mains/Advanced,
NTSE, KVPY,
Olympiad, IIT
Foundation + CAT*