

Bput Semester Question Paper

This book introduces a modern approach to embedded system design, presenting software design and hardware design in a unified manner. It covers trends and challenges, introduces the design and use of single-purpose processors ("hardware") and general-purpose processors ("software"), describes memories and buses, illustrates hardware/software tradeoffs using a digital camera example, and discusses advanced computation models, control systems, chip technologies, and modern design tools. For courses found in EE, CS and other engineering departments.

A guide to the concepts and applications of computer graphics covers such topics as interaction techniques, dialogue design, and user interface software.

The rapid increase in new power electronic devices and converters for electric transportation and smart grid technologies requires a deep analysis of their component performances, considering all of the different environmental scenarios, overload conditions, and high stress operations. Therefore, evaluation of the reliability and availability of these devices become fundamental both from technical and economical points of view. The rapid evolution of technologies and the high reliability level offered by these components have shown that estimating reliability through the traditional approaches is difficult, as historical failure data and/or past observed scenarios demonstrate. With the aim to propose new approaches for the evaluation of reliability, in this book, eleven innovative contributions are collected, all focused on the reliability assessment of power electronic devices and related components.

Productivity Management
Ground Improvement Techniques (PB)
SENSORS AND TRANSDUCERS
McCCarthy on Cross-examination
Advanced Microprocessors and Microcontrollers

The construction of buildings and structures relies on having a thorough understanding of building materials. Without this knowledge it would not be possible to build safe, efficient and long-lasting buildings, structures and dwellings. Building materials in civil engineering provides an overview of the complete range of building materials available to civil engineers and all those involved in the building and construction industries. The book begins with an introductory chapter describing the basic properties of building materials. Further chapters cover the basic properties of building materials, air hardening cement materials, cement, concrete, building mortar, wall and roof materials, construction steel, wood, waterproof materials, building plastics, heat-insulating materials and sound-absorbing materials and finishing materials. Each chapter includes a series of questions, allowing readers to test the knowledge they have gained. A detailed appendix gives information on the testing of building materials. With its distinguished editor and eminent editorial committee, Building materials in civil engineering is a standard introductory reference book on the complete range of building materials. It is aimed at students of civil engineering, construction engineering and allied courses including water supply and drainage engineering. It also serves as a source of essential background information for engineers and professionals in the civil engineering and construction sector. Provides an overview of the complete range of building materials available to civil engineers and all those involved in the building and construction industries Explores the basic properties of building materials featuring air hardening cement materials, wall and roof materials and sound-absorbing materials Each chapter includes a series of questions, allowing readers to test the knowledge they have gained

Basic Electrical and Electronics Engineering provides an overview of the basics of electrical and electronic engineering that are required at the undergraduate level. The book allows students outside electrical and electronics engineering to easily

Learn how to look good on cross, even when the witness is not cooperating. Learn how to manage and effectively minimize the witness's involvement, without appearing controlling, extracting, and insulting. Filled with illustrative cross examinations from actual cases, this book is your key to employing these proven techniques in your own practice. Using the three themes that run through out the book—looking good, telling a story, and using short statements—you can take control of your cross examinations and achieve the results you desire.

Tanzer MCA

Principles of Compiler Design
 The ITians
 Mastering Oracle PL/SQL
 Principles and Practice

Market_Desc: Primary MarketVTU CSE/IT Discipline, 5th SemCourse: Formal Languages and Automata TheoryCourse Code: O6CS56Secondary MarketBPUT PECS5304 Theory of Computation 5th SemBPUT PECS5304 Theory of Computation 5th SemGNDU CS-404 Formal Language & Automata Theory, 7th SemWBUT CS402 Formal Language & Automata Theory, 4th SemPTU CS-404 Formal Language & Automata Theory, 7th/8th SemRGPV CS 5511/ CS505 Theory of Computation, 5th SemRTU 6CS5 Theory Of Computation, 6th SemSVTU 322514(22) Theory of Computation, 5th SemUPTU, 7th Sem Elective

ECS-072 Computational ComplexityJNTU, CSE/IT, 5th Sem Formal Languages and Automata TheoryAnna University, CSE/IT, 5th Sem Theory of Computation Special Features: · Content organization aligned with the teaching modules and well-accepted by students. · Introductory chapter covers the prerequisite concepts of discrete mathematics required for the course. · Emphasis on understanding concepts through explanatory examples. · Theorems limited to requirement of an undergraduate level, and the proofs kept as simple as possible. · Self-explanatory figures provided to enhance clarity of concepts. · Quantitative aspect addressed through a wide variety of solved problems within the chapter and worked out problems at the end of the chapter. · Solved model question papers appended the end of the book to get familiar with the examination pattern. · Excellent pedagogy includesü 40+ Theorems and explanatory examplesü 150+ Figures and tablesü 110+ Solved and worked-out problemsü 170+ Exercise questions About The Book: Formal Languages and Automata theory presents the theoretical aspects of computer science, and helps define infinite languages in finite ways; construct algorithms for related problems and decide whether a string is in language or not. These are of practical importance in construction of compilers and designing of programming languages, thus establishing the course as a core paper in third/fourth year of various universities.This book adopts a holistic approach to learning from fundamentals of formal languages to undecidability problems. Its organization follows the order in which the course is taught over the years, and is well-accepted by the student community. The contents of each topic motivate the reader to easily understand the concepts rather than remember and reproduce.

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth, practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you.

Engineering Chemistry I (for BPUT)Pearson Education IndiaMechanics (for BPUT)Pearson Education IndiaENGINEERING CHEMISTRY WITH LABORATORY EXPERIMENTSPH Learning Pvt. Ltd.

A Systems Approach

Practical Medicinal Chemistry

Advanced Mechanics of Solids

Business Information Systems

New design architectures in computer systems have surpassed industry expectations. Limits, which were once thought of as fundamental, have now been broken. Digital Systems and Applications details these innovations in systems design as well as cutting-edge applications that are emerging to take advantage of the fields increasingly sophisticated capabilities. This book features new chapters on parallelizing iterative heuristics, stream and wireless processors, and lightweight embedded systems. This fundamental text— Provides a clear focus on computer systems, architecture, and applications Takes a top-level view of system organization before moving on to architectural and organizational concepts such as superscalar and vector processor, VLIW architecture, as well as new trends in multithreading and multiprocessing, includes an entire section dedicated to embedded systems and their applications Discusses topics such as digital signal processing applications, circuit implementation aspects, parallel I/O algorithms, and operating systems Concludes with a look at new and future directions in computing Features articles that describe diverse aspects of computer usage and potentials for use Details implementation and performance-enhancing techniques such as branch prediction, register renaming, and virtual memory Includes a section on new directions in computing and their penetration into many new fields and aspects of our daily lives

Internet of Things (IoT) refers to physical and virtual objects that have unique identities and are connected to the internet to facilitate intelligent applications that make energy, logistics, industrial control, retail, agriculture and many other domains "smarter". Internet of Things is a new revolution of the Internet that is rapidly gathering momentum driven by the advancements in sensor networks, mobile devices, wireless communications, networking and cloud technologies. Experts forecast that by the year 2020 there will be a total of 50 billion devices/things connected to the internet. This book is written as a textbook on Internet of Things for educational programs at colleges and universities, and also for IoT vendors and service providers who may be interested in offering a broader perspective of Internet of Things to accompany their own customer and developer training programs. The typical reader is expected to have completed a couple of courses in programming using traditional high-level languages at the college-level, and is either a senior or a beginning graduate student in one of the science, technology, engineering or mathematics (STEM) fields. Like our companion book on Cloud Computing, we have tried to write a comprehensive book that transfers knowledge through an immersive "hands on" approach, where the reader is provided the necessary guidance and knowledge to develop working code for real-world IoT applications. Additional support is available at the book's website: www.internet-of-things-book.com Organization The book is organized into 3 main parts, comprising of a total of 11 chapters. Part I covers the building blocks of Internet of Things (IoT) and their characteristics. A taxonomy of IoT systems is proposed comprising of various IoT levels with increasing levels of complexity. Domain specific Internet of Things and their real-world applications are described. A generic design methodology for IoT is proposed. An IoT system management approach using NETCONF+YANG is described. Part II introduces the reader to the programming aspects of Internet of Things with a view towards rapid prototyping of context IoT applications. We chose Python as the primary programming language in this book, and an introduction of Python is included within the text to bring readers to a common level of expertise. We describe packages, frameworks and cloud services including the WAMP, Firebase, Xively cloud and Amazon Web Services which can be used for developing IoT systems. We chose the Raspberry Pi device for the examples in this book. Reference architectures for different levels of IoT applications are examined in detail. Case studies with complete source code for various IoT domains including home automation, smart environment, smart cities, logistics, retail, smart energy, agricultural, industrial control and smart health, are described. Part III introduces the reader to advanced topics on IoT including IoT data analytics and Tools for IoT. Case studies on collecting and analyzing data generated by Internet of Things in the cloud are described.

Any good text book, particularly that in the fast changing fields such as engineering & technology, is not only expected to cater to the current curricular requirements of various institutions but also should provide a glimpse towards the latest developments in the concerned subject and the relevant disciplines. It should guide the periodic review and updating of the curriculum.

Testing of Textile Materials

Karl Marx and Mathematics

Engineering Chemistry I (for BPUT)

Modern Pharmaceutics

Internet of Things: A Hands-On Approach

"Completely revised and expanded throughout. Presents a comprehensive integrated, sequenced approach to drug dosage formulation, design, and evaluation. Identifies the pharmacodynamic and physicochemical factors influencing drug action through various routes of administration."

The Iitians: The Story Of A Remarkable Indian Institution And How Its Alumni Are Reshaping The World It (Indian Institute Of Technology) Is India S Biggest And Most Powerful Brand, And Arguably The Toughest And Most Influential Engineering School In The World. Since The First It Was Set Up In The 1950s, Thousands Of Initiates Have Walked Out Of The Campus Gates In Kharagpur, Mumbai, Chennai And Elsewhere To Become Leaders In Their Chosen Fields. In India They Head Many Of The Biggest And Most Admired Professionally Managed Companies. Abroad, They Lead Giant Corporations, And Their Feats Figure In The Folklore Of Silicon Valley. The Power That The Alumni Of This One Bunch Of Undergraduate Schools Wields In Business, Academe And Research Is Comparable To That Of Cambridge And Oxford In The Heyday Of The British Empire. Sandipan Deb, Himself An Iitian, Delves Into His Own Experience And Those Of Scores Of Alumni To Try And Explain What Makes Iitians Such Outstanding Achievers. In Part It May Be That They Cannot Be Anything Else: Only One In Every Hundred Applicants Gets Admitted. Harvard, In Comparison, Takes One In Eight. The Unique Village-Like Campuses Peopled Only By The Super-Bright And The Intensely Competitive Hone The Iitians Skills Further. No Wonder Then That When They Leave The Campus, Iitians Look Upon Themselves As Special People, Capable Of Competing In Their Field With The Best In The World. And, As Their Record Shows, Succeeding.

Programming in C. For BPUT is a student-friendly, practical and example-driven book that gives readers a solid foundation in the basics of C Programming. The contents have been tailored to exactly correspond with the requirements of the core course, Programming in C, offered to the students of Biju Patnaik University of Technology during their first semester. A rich collection of solved examples and chapters mapped to the university syllabus make this book indispensable for students.

Textbook of Pharmaceutical Jurisprudence

Mass Transfer-II

Basic Electrical and Electronics Engineering:

Building Materials in Civil Engineering

Digital Systems and Applications

This book is primarily intended for the first year B.Tech students of all branches of their course on engineering chemistry. The main objective of this book is to provide a broad understanding of the chemical concepts, theories and principles of Engineering Chemistry in a clear and concise manner, so that even an average student can grasp the intricacies of the subject. It includes the general concepts of structure and bonding, phase rule, solid state, reaction kinetics and catalysis, electrochemistry, chemical thermodynamics and free energy. Besides, the book introduces topics of applied chemistry like water technology, polymer chemistry and nanotechnology. Each theoretical concept is well supported by illustrative examples. The book also provides a large number of solved problems and illustrations to reinforce the theoretical understanding of concepts. KEY FEATURES (i) Each chapter of the book provides a clear and easy understanding of the definitions, theories and principles. (ii) A large number of well-labelled diagrams help to understand the concepts easily and clearly. (iii) Chapter-wise glossary and important mathematical relations are given for quick revision. (iv) Provides multiple choice questions with answers, short questions and long questions for practice.a

Introduction 2. Synthesis Of Some Official Medicinal Compounds 3. Assay Of Some Official Compounds 4. Monograph Analysis Of The Following Compounds 5. Identification And Estimation Of Drug Metabolites From Biological Fluids 6. Determination Of Partition Coefficient Of Compounds For Qsar Analysis 7. I.R. Spectra Of Some Official Medicinal Compounds

This text is a lucid presentation of the principles of working of all types of sensors and transducers which form the prime components of the instrumentation systems. The characteristics of the sensors and transducers and the operating principles of transducer technologies have been discussed in considerable detail. Besides covering conventional sensors such as electromechanical, thermal, magnetic, radiation, and electroanalytical, the recent advances in sensor technologies including smart and intelligent sensors used in automated systems are also comprehensively described. The application aspects of sensors used in several fields such as automobiles, manufacturing, medical, and environment are fully illustrated. With a straightforward approach the text is aimed at building a sound understanding of the fundamentals, and incalculating analytical skills needed for design and operation. Numerous schematic representations, examples, and review questions help transcend underlying basics to automation and instrumentation. The book with incisive explanations and all the pedagogic attributes is designed to serve the needs of the engineering students of instrumentation, chemical, mechanical, and electrical disciplines. It will also be a useful text for the students of applied sciences.

BASIC COMPUTER ENGINEERING

Fundamental of Chemical Engineering

An Inspector Calls

ENGINEERING CHEMISTRY WITH LABORATORY EXPERIMENTS

Programming in C: For BPUT

New edition of a text intended primarily for the undergraduate courses on the subject which are frequently found in electrical engineering curricula—but the concepts and techniques it covers are also of fundamental importance in other engineering disciplines. The book is structured to develop in parallel the methods of analysis for continuous-time and discrete-time signals and systems, thus allowing exploration of their similarities and differences. Discussion of applications is emphasized, and numerous worked examples are included. Annotation copyrighted by Book News, Inc., Portland, OR

Market_Desc: Primary Market · VTU: 06ME71 Control Engineering 7th Sem/ EC/TC/EE/IT/BMML 06ES43 4th Sem · JNTU: ECE/EEE PTEC 9254/PTEE 9201 Control Systems 3rd Sem · UPTU (ME)EEE-409 Electrical Machines & Automatic Control 4th Sem/ ECE/ETE/EEE EEC503/EE502 Control Systems 5th Sem · Mumbai: ETE Principles of Control System 5th Sem · BPUT ETE/EEE/ECE CPEE 5302 Control System Engineering 6th Sem · WBUT EE-503 Control System 5th Sem; EC-513 Control System 5th Sem · RGPV EC-402 Control Systems, 4th Sem · PTU ECE/EIE/EEE IC-204 Linear Control System 4th Sem · GNDU ECE ECT-223 Linear Control System 4th SemSecondary Market · BPUT:CPME 6403 Mechanical Measurement and Control, 7th sem · RGPV: ME 8302 Mechatronics, 8th Sem elective · Anna: PTME9035 measurement and controls, 8th Sem · UPTU: TME-028 Automatic Controls, Elective 8th Sem · Mumbai: Mechatronics, 6th Sem · WBUT: ME 602 Mechatronics and Modern Control, 6th Sem Special Features: § The book provides clear exposure to the principles of control system design and analysis techniques using frequency and time domain analysis. § Explains the important topics of PID controllers and tuning procedures. § Includes state space methods for analysis of control system. § Presents necessary mathematical topics such as Laplace transforms at relevant places. § Contains detailed artwork capturing circuit diagrams, signal flow graphs, block diagrams and other important topics. § Presents stability analysis using Bode plots, Nyquist diagrams and Root locus techniques. § Each chapter contains a wide variety of solved problems with stepwise solutions. § Appendices present the use of MATLAB programs for control system design and analysis, and basic operations of matrices. § Model questions papers contain questions from various university question papers at the end of the book. §

Excellent pedagogy includes ü 520+ Figures and tables ü 200+ Solved problems ü 90+ Objective questions ü 100+ Review questions ü 70+ Numerical problems About The Book: Control Engineering is the field in which control theory is applied to design systems to produce desirable output. It essays the role of an incubator of emerging technologies. It has very broad applications ranging from automobiles, aircrafts to home appliances, process plants, etc. This subject gains importance due to its multidisciplinary nature, and thus establishes itself as a core course among all engineering curricula. This textbook aims to develop knowledge and understanding of the principles of physical control system modeling, system design and analysis. Though the treatment of the subject is from a mechanical engineering point of view, this book covers the syllabus prescribed by various universities in India for aerospace, automobile, industrial, chemical, electrical and electronics engineering disciplines at undergraduate level. The Second Edition of Control Systems Engineering provides a clear and thorough introduction to controls. Designed to motivate readers' understanding, the text emphasizes the practical application of systems engineering to the design and analysis of feedback systems. In a rich pedagogical style, Nise motivates readers by applying control systems theory and concepts to real-world problems. The text's updated content teaches readers to build control systems that can support today's advanced technology.

CONTROL ENGINEERING

A TEXTBOOK OF ENGINEERING CHEMISTRY

Challenges and New Trends in Power Electronic Devices Reliability

Signals & Systems

Computer Organization & Architecture 7e

Defining productivity in its broader and holistic perspective, this text attempts to clarify many difficulties in conventional approaches. It proposes a model which is applicable for productivity measurement in manufacturing and the service sector and presents case studies.

Textbook of Pharmaceutical Jurisprudence provides information about pharmacy rules and regulations. The book emphasizes towards B. Pharm V-Semester of PCI Syllabus. The book is also useful for D. Pharm students. The book offers clear understanding of the concepts. The questions have been given at the end of chapters for better understanding of the subject.

This collection of various texts on Karl Marx and Mathematics is the revised and extended second edition of the Special Supplement to Karl Marx, Mathematical Manuscripts (1994; Calcutta: Viswakoś) titled Marx and Mathematics. The sources of the texts included in the three parts of this collection and, some biographical information about their respective authors have been included at the end of each text. The emergence and development of the Ethnomathematics movement continue to change our understanding of the history of evolution of plural mathematics on planet earth since the Neolithic age. Rediscovery and study of some of the neglected source texts have further energized investigations on the subsequent history of mathematical cultures, including those on the histories of algebra and analysis in some of the ancient and medieval languages of Asia, like Sanskrit, Arabic and Malayalam. Consequently, it is now possible to indicate some of the larger gaps in the dominant understanding of history of mathematics not only in Marx's time, but also at the time of editing Marx's mathematical manuscripts in the twentieth century, and even today. Finally, the emergence and development of mathematical and statistical software packages are vigorously reshaping our ways of conceptualizing and doing mathematics towards an unknown future. It is time now for taking yet another look at all mathematical text from the past and that includes the mathematical manuscripts of Marx. These texts have been divided into three parts. Part one contains some topical texts related to the history of emergence, development, editing, publication and reception of the mathematical manuscripts of Karl Marx. Part two contains a selection of five articles reflecting some of the investigations inspired by these manuscripts in Russia, India and France. Part three contains five articles on plural mathematics before and after Karl Marx (1818-1883). The texts in this collection are followed by two appendices containing two bibliographies: one on Hegel and mathematics and, the other on mathematics and semiotics. Please note: This title is co-published with Aakar Books, Bew Delhi. Taylor & Francis does not sell or distribute the print edition in South Asia (India, Sri Lanka, Nepal, Bangladesh, Pakistan, Maldives or Bhutan).

FORMAL LANGUAGES AND AUTOMATA THEORY

Database Management System (DBMS)A Practical Approach

The Story of a Remarkable Indian Institution and how Its Alumni are Reshaping the World

Embedded System Design

Computer Graphics

Many books on Database Management Systems (DBMS) are available in the market, they are incomplete very formal and dry. My attempt is to make DBMS very simple so that a student feels as if the teacher is sitting behind him and guiding him. This text is bolstered with many examples and Case Studies. In this book, the experiments are also included which are to be performed in DBMS lab. Every effort has been made to alleviate the treatment of the book for easy flow of understanding of the students as well as the professors alike. This textbook of DBMS for all graduate and post-graduate programmes of Delhi University, GGSIPU, Rajiv Gandhi Technical University, UPTU, WBUT, BPUT, PTU and so on. The salient features of this book are: · 1. Multiple Choice Questions 2. Conceptual Short Questions 3. Important Points are highlighted / Bold faced. 4. Very lucid and simplified approach 5. Bolstered with numerous examples and CASE Studies 6. Experiments based on SQL incorporated. 7. DBMS Projects added Question Papers of various universities are also included.

Market_Desc: Primary Market: Undergraduate I Year Engineering student of RGPV, Bhopal (More than 1 lac intake)Course: Basic Computer EngineeringCourse Code: B.E. · 205Secondary Market: Undergraduate first year students of various universities, such as- UPTU (ECS-101/ECS-201 : Computer Concepts and Programming in C)· UTU (Fundamentals of Computer & Programming)· PTU (CS-101 Fundamentals of Computer Programming and Information Technology)· RTU (Computer Systems and Programming [104])· GTU (Computer Programming and Utilization)· Anna (GE2112 Fundamentals of Computing and Programming)· JNTU (C Programming and Data Structures)· BPUT (BCSE 3101 PROGRAMMING IN C)· VTU (10CCP13/10CCP23 Computer Concepts and C Programming)· SVTU (30224 Introduction to Computing) Special Features: · Completely covers the syllabus as a textbook for B.E. first year course Basic Computer Engineering , RGPV (Bhopal) and similar courses in other universities. · Single-handedly caters to the requirements of several engineering disciplines that have this course in their curriculum. · Explains programming in C++ in detail. · Covers operating systems such as Windows, DOS and UNIX; database management systems; data structures; algorithms and C++, without entering into the specifics of programming languages and complex technologies. · Makes liberal use of screenshots to show how the screen would look like after processing the command. · Has increased utility owing to the presence of a large number of examples and illustrations. · Covers programming assignments and experimental portions under specific chapters to take into account the practical nature of the course. · Contains appendices that introduce readers to emerging areas of research such as neural networks and fuzzy logic. · Provides model question papers for practicing questions based on the examination pattern. ·

Excellent pedagogy having ü 160+ Figuresü 70+ Tablesü 40+ Programs with outputü 70+ Syntaxes and explanatory examplesü 220+ Objective questionsü 170+ Review questionsü 50+ Programming assignments. About The Book: This book helps in familiarizing students with the basic organization of the computer, and then moving on to study of the operating systems such as Windows, DOS and UNIX; database management systems; data structures; algorithms and C++, without entering into the specifics of programming languages and complex technologies. It provides an insight into the basics of computers as delineated by the syllabi of RGPV and various reputed Indian universities. This book is suitable for self-study because of clear explanation of the topics, uniformity in presentation, illustration of concepts through numerous examples; and chapters are laced with various screenshots to give an idea as to how the screen would look like while performing that particular step.

Control System Engineering

Selected Papers from the 2011 International Conference on Chemical Engineering and Advanced Materials (CEAM 2011) 28-30 May, 2011, Changsha, China

Data Communications and Networking

Basic Computer Engineering Precise

A Unified Hardware/Software Introduction