

## Bput Question Papers

**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: Viswakos) 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 indicated 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).**

**This book addresses the very latest research and development issues in high voltage technology and is intended as a reference source for researchers and students in the field, specifically covering developments throughout the past decade. This unique blend of expert authors and comprehensive subject coverage means that this book is ideally suited as a reference source for engineers and academics in the field for years to come.**

**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**

**Mechanics: For BPUT**

**BASIC COMPUTER ENGINEERING**

**Mechanics (for BPUT)**

**Data Communications and Networking**

**Principles of Compiler Design**

This concise textbook is intended for undergraduate students of electrical engineering offering a course in high voltage engineering. Written in an easy-to-understand style, the text, now in its Second Edition, acquaints students with the physical phenomena and technical problems associated with high voltages in power systems. A complete quantitative description of the topics in high voltage engineering is difficult because of the statistical nature of the electrical breakdown phenomena in insulators. With this in mind, this book has been written to provide a basic treatment of high voltage engineering qualitatively and, wherever necessary, quantitatively. Special emphasis has been laid on breakdown mechanisms in gaseous dielectrics as it helps students gain a sound conceptual base for appreciating high voltage problems. The origin and nature of lightning and switching overvoltages occurring in power systems have been explained and illustrated with practical observations. The protection of high voltage insulation against such overvoltages has also been discussed lucidly. The concept of modern digital methods of high voltage testing of insulators, transformers, and cables has been explained. In the Second Edition, a new chapter on electrostatic field estimation and an appendix on partial discharges have been added to update the contents. Solved problems help students develop a critical appreciation of the concepts discussed. End-of-chapter questions enable students to obtain a more in-depth understanding of the key concepts.

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 becomes 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.

PMBOK® Guide is the go-to resource for project management practitioners. The project management profession has significantly evolved due to emerging technology, new approaches and rapid market changes. Reflecting this evolution, The Standard for Project Management enumerates 12 principles of project management and the PMBOK® Guide – Seventh Edition is structured around eight project performance domains. This edition is designed to address practitioners' current and future needs and to help them be more proactive, innovative and nimble in enabling desired project outcomes. This edition of the PMBOK® Guide: Reflects the full range of development approaches (predictive, adaptive, hybrid, etc.); Provides an entire section devoted to tailoring the development approach and processes; Includes an expanded list of models, methods, and artifacts; Focuses on not just delivering project outputs but also enabling outcomes; and Integrates with PMI standards™ for information and standards application content based on project type, development approach, and industry sector.

**Engineering Physics Made Easy**

**Power System Analysis: Operation And Control 3Rd Ed.**

**Advanced Mechanics of Solids**

**Basic Electronics**

**Basic Electronics: For BPUT has been designed as a comprehensive textbook for first-year students of Biju Patnaik University of Technology, Orissa. It lays a strong foundation in the important concepts of electronics by breaking down complex topics into simple and manageable units. The circuit diagrams, tables and solved examples used to illustrate theoretical concepts make this book an ideal self-study guide for students. This book is mapped to the syllabus prescribed by BPUT and the addition of three solved university question papers will benefit students greatly.**

**This comprehensive book is designed both for postgraduate students in power systems/energy systems engineering and a one-year course for senior undergraduate students of electrical engineering pursuing courses on power systems. The text gives a systematic exposition of topics such as modelling of power system components, load flow, automatic load frequency control, economic operation, voltage control and stability, study of faulted power systems, and optimal power flow. Besides giving a detailed discussion on the basic principles and practices, the text provides computer-based examples to illustrate the topics discussed. What makes the text unique is that it deals with the practice of computer for power system operation and control. This book also brings together the diverse aspects of power system operation and control and is a practical hands-on guide to theoretical developments and to the application of advanced methods in solving operational and control problems of electric power systems. The book should therefore be of immense benefit to the industry professionals and researchers as well.**

**Engineering Chemistry-I serves as a textbook for the first semester course for 1 year BE/B. Tech students of Anna University, Chennai. The book is informative and exhaustive to meet the requirements of students who aim to assimilate authentic knowledge for use during engineering course as well as in their careers. The theoretical portions have been explained in simple language, clear style with lot of solved problems and illustrated diagrams. Academic and industrial communities will find this book a valuable resource. KEY FEATURES • Specifically designed for 1 year B.E. students of colleges affiliated to Anna University, Chennai. • The chapters are presented in simple language. • Suitable diagrams for clear understanding of the concepts. • The recent developments in the respective fields are included in all the chapters. • Comparative tables are presented where ever two similar concepts arise. • Many solved problems. • Review questions from previous Anna University examinations at the end of each chapter.**

**Mastering Oracle PL/SQL**

**Advances in High Voltage Engineering**

**Karl Marx and Mathematics**

**Advanced Structural Analysis**

**English For Engineers Made Easy**

**Market\_Desc: Primary Market: Undergraduate 1 Year Engineering student of RGPV, Bhopal (More than 1 lac intake)Course: Basic Computer EngineeringCourse Code: B.E. - 20Secondary 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 Fundaments 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 (10CCPI3/10CCP23 Computer Concepts and C Programming)- CSVTU (300224 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: 160+ Figures 70+ Tables 40+ Programs with outputs 70+ Syntaxes and explanatory examples 170+ Objective questions 170+ Review questions 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 faced with various screenshots to give an idea as to how the screen would look like while performing that particular step.**

**Market\_Desc: Primary Market: VTU: 06M671 Control Engineering 7th Sem/ EC/TC/EET/IT/BI/M/MI. 06ES43 4th Sem: JNTU: ECE/ECE. Control Systems 4th Sem: Anna: ECE/EEE. PTEC 9254/PTC 9201 Control Systems 3rd Sem: UPTU (ME/EEE-409 Electrical Machines & Automatic Control 4th Sem: ECE/EET/EEE. EEC503/EEE502 Control Systems 5th Sem: Mumbai: ETE Principles of Control System 5th Sem: BPUT ETE/EEE/EECE. Central Institute of Technology WBUT EE-503 Control System 5th Sem: EC-513 Control System 5th Sem: RGPV EC-402 Control Systems, 4th Sem: PTU ECE/EE/EECE-104 Linear Control System 4th Sem: GNDU ECE ECE-223 Linear Control System 4th SemSecondary Market: BPUT C/PME 6403 Mechanical Measurement and Control, 7th Sem: RGPV: ME 8302 Mechatronics, 8th Sem elective: Anna: PTM9035 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 question papers contain questions from various university question papers at the end of the book.§ Excellent pedagogy includes 520+ Figures and tables 200+ Solved problems 90+ Objective questions 100+ Review questions 70+ Numerical problems About The Book: Control Engineering is the field in which control theory is applied to design systems to produce desirable outputs. 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.**

For BPUT has been mapped to the syllabus of the mechanics paper common to all the branches of engineering in the first year at Biju Patnaik University of Technology, Orissa. Difficult-to-understand concepts have been explained with the help of lucid, self-explanatory diagrams. Several solved problems have been included at relevant places. Chapter summaries, review questions and unsolved problems facilitate learning.

**Basic Electronics: For BPUT**

**Challenges and New Trends in Power Electronic Devices Reliability**

**Engineering Economics and Costing**

**Advanced Microprocessors and Microcontrollers**

**Glossary and Sample Exams for DeVore's Probability and Statistics for Engineering and the Sciences, 7th**

**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.**

**Basic Electronics, meant for the core science and technology courses in engineering colleges and universities, has been designed with the key objective of enhancing the students' knowledge in the field of electronics. Solid state electronics, a rapidly-evolving field of study, has been extensively researched for the latest updates, and the authors have supplemented the related chapters with customized pedagogical features. The required knowledge in mathematics has been developed throughout the book and no prior grasp of physical electronics has been assumed as an essential requirement for understanding the subject. Detailed mathematical derivations illustrated by solved examples enhance the understanding of the theoretical concepts. With its simple language and clear-cut style of presentation, this book presents an intelligent understanding of a complex subject like electronics.**

**Advanced Structural Analysis is a textbook that essentially covers matrix analysis of structures, presented in a fresh and insightful way. This book is an extension of the author's basic book on Structural Analysis. The initial three chapters review the basic concepts in structural analysis and matrix algebra, and show how the latter provides an excellent mathematical framework for the former. The next three chapters discuss in detail and demonstrate through many examples how matrix methods can be applied to linear static analysis of skeletal structures (plane and space trusses; beams and grids; plane and space frames) by the stiffness method. Also, it is shown how simple structures can be conveniently solved using a reduced stiffness formulation, involving far less computational effort. The flexibility method is also discussed. Finally, in the seventh chapter, analysis of elastic instability and second-order response is discussed in detail. The main objective is to enable the student to have a good grasp of all the fundamental issues in these advanced topics in Structural Analysis, besides enjoying the learning process, and developing analytical and intuitive skills. With these strong fundamentals, the student will be well prepared to explore and understand further topics like Finite Elements Analysis.**

**Webster's New International Dictionary of the English Language, Based on the International Dictionary 1890 and 1900**

**Basic Computer Engineering Prebse**

**Database Management System (DBMS)A Practical Approach**

**Practical Solutions**

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.

**Market\_Desc: Primary Market:VTU CSE/IT Discipline, 5th Sem:Course: Formal Languages and Automata TheoryCourse Code: 06CS56Secondary Market:BPUT PECS5304 Theory of Computation 5th SemBPUT PECS5304 Theory of Computation 5th SemGNDU CS-404 Formal Language & Automata Theory, 7th SemWBUT CS-402 Formal Language & Automata Theory, 4th SemPTU CS-404 Formal Language & Automata Theory, 7th/8th SemRGPV CS 5511/CS505 Theory of Computation, 5th SemRTU CCS5 Theory Of Computation, 6th SemSVTU 22514/22 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 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 includes 40+ Theorems and explanatory examples 150+ Figures and tables 110+ Solved and worked-out problems 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.**

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, Rajni 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.

**Programming in C: For BPUT**

**Ground Improvement Techniques (PB)**

**FUNDAMENTALS OF ELECTROMAGNETIC THEORY, Second Edition**

**Engineering Chemistry-I (Anna University)**

**FORMAL LANGUAGES AND AUTOMATA THEORY**

**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.**

**Fluid mechanics is the study of how fluids behave and interact under various forces and in various applied situations, whether in liquid or gas state or both. The author of Advanced Fluid Mechanics compiles pertinent information that are introduced in the more advanced classes at the senior level and at the graduate level. "Advanced Fluid Mechanics courses typically cover a variety of topics involving fluids in various multiple states (phases), with both elastic and non-elastic qualities, and flowing in complex ways. This new text will integrate both the simple stages of fluid mechanics ("Fundamentals") with those involving more complex parameters, including Inviscid Flow in multi-dimensions, Viscous Flow and Turbulence, and a succinct introduction to Computational Fluid Dynamics.**

**It will offer exceptional pedagogy, for both classroom use and self-instruction, including many worked-out examples, end-of-chapter problems, and actual computer programs that can be used to reinforce theory with real-world applications. Professional engineers as well as Physicists and Chemists working in the analysis of fluid behavior in complex systems will find the contents of this book useful. All manufacturing companies involved in any sort of systems that encompass fluids and fluid flow analysis (e.g., heat exchangers, air conditioning and refrigeration, chemical processes, etc.) or energy generation (steam boilers, turbines and internal combustion engines, jet propulsion systems, etc.), or fluid systems and fluid power (e.g., hydraulics, piping systems, and so on) will reap the benefits of this text. Offers detailed derivation of fundamental equations for better comprehension of more advanced mathematical analysis Provides groundwork for more advanced topics on boundary layer analysis, unsteady flow, turbulent modeling, and computational fluid dynamics Includes worked-out examples and end-of-chapter problems as well as a companion web site with sample computational programs and Solutions Manual**

**The Second Edition of this book, while retaining the contents and style of the first edition, continues to fulfill the requirements of the course curriculum in Electromagnetic Theory for the undergraduate students of electrical engineering, electronics and telecommunication engineering, and electro-nics and communication engineering. The text covers the modules of the syllabus corresponding to vectors and fields, Maxwell's equations in integral form and differential form, wave propagation in free space and material media, transmission line analysis and waveguide principles. It explains physical and mathematical aspects of the highly complicated electromagnetic theory in a very simple and lucid manner. This new edition includes : • Two separate chapters on Transmission Line and Waveguide • A thoroughly revised chapter on Plane Wave Propagation • Several new solved and unsolved numerical problems asked in various universities' examinations**

**Engineering Chemistry I (for BPUT)**

**Mass Transfer-II**

**AN INTRODUCTION TO HIGH VOLTAGE ENGINEERING**

**Advanced Concepts in Operating Systems**

**Maccarthy on Cross-examination**

Made Easy Series is developed with an objective of meeting the requirement of books that cover syllabi of important core engineering subjects focussing completely on the manner in which concepts will be tested in examinations. Books in this series are designed in a question-and-answer format to cater to undergraduate students of all major technological universes yet comprehensive manner. They explore all the important concepts of the syllabi with the help of solved questions and numerical problems of previous years' question papers of these universities. Apart from being extremely student-friendly and lucid, the books in this series are rich in pedagogical features such as brief point-wise discussion of fundamental concepts, problems, and objective questions and exercises for further practice (all taken from previous years' question papers) that aid students in preparing well for university examinations. Because of the fiercely competitive nature of the current academic scenario and the large number of books available for each topic, it is extremely difficult for students to spend too much time on examinations when they are hard-pressed for time. Made Easy Series will empower students to prepare for university examinations in a systematic and thorough manner in a limited amount of time. The syllabi of the following universities have been covered in the book: UPTU, Anna Univ., JNTU, VTU, RTU, RGTU, WBUT, BPUT, PTU, Pune Univ., Mumbai Univ.

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. T 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 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 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

**Advanced Fluid Mechanics**

**Engineering Chemistry Made Easy**

**A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Seventh Edition and The Standard for Project Management (BRAZILIAN PORTUGUESE)**

**Basic Electrical Engineering Made Easy**

**Practical Medicinal Chemistry**