

B Tech Semester 1st 2nd Engineering Chemistry Ch 101

Mathematics II has been written for the first semester students of all branches of engineering courses for ASTU. The entire book has been developed with an eye on the physical interpretations of concepts, application of the notions in engineering and technology, and precision through its solved examples. Author's long experience of teaching at various levels has played an instrumental role towards this end. An emphasis on various techniques of solving complex problems will be of immense help to the students. Key Features • Brief but just discussion of theory • Examination Oriented approach • Techniques of solving difficult questions • Solution for a large number of technical problems

Introduction to Engineering Mathematics Volume-I has been thoroughly revised according to the New Syllabi (2018 onwards) of Dr. A.P.J. Abdul Kalam Technical University (AKTU, Lucknow). The book contains 19 chapters divided among five sections - Differential Calculus- I, Differential Calculus- II, Matrices, Multivariable calculus- I and Vector calculus. It contains good number of solved examples from question papers of examinations recently held by different universities and engineering colleges so that the students may not find any difficulty while answering these problems in their final examination.

Computer Oriented Statistical Methods has been written strictly according to the revised syllabus (R-18) of B.Tech. Second year (I Semester) students of Jawaharlal Nehru Technological University, Hyderabad with effect from 2018-19 academic year

This book will be a comprehensive, step-by-step schedule implementation guide for school and district administrators. It will explain the how to reorganize school schedules to facilitate various programs, including RTI, Special Education, small learning communities, concept flexibility, and credit recovery. The authors will also provide research-based teaching strategies to maximize the effectiveness of each scheduling model to ensure student success. The proven schedule models and implementation strategies will be a must-read for school administrators and a useful text for educational leadership courses. There are eight chapters, useful appendix and solved question papers in the book. Basic digital communication, line codes and sampling methods are presented at the beginning. Digital pulse modulation techniques such as PCM, DPCM, DM, ADM are presented. Continuous wave digital modulation methods such as BPSK, DPSK, QPSK, QAM, BFSK and OOK are presented with mathematical analysis of modulators and receivers. Issues related to baseband transmission such as ISI, Nyquist pulse shaping criterion, optimum reception, matched filter and eye patterns are also discussed. Concepts of information theory such as discrete memoryless channels, mutual information, Shannon's theorems on source coding are also presented. Coding using linear block codes, cyclic codes and convolutional coding is also discussed. Secured communication using spread spectrum modulation is also discussed in detail.

Engineering Mathematic

Although Concepts of Modern Physics was the first book covering the syllabi of Punjab Technical University, Jalandhar and it was accepted whole-heartedly by students and teachers alike. However, due to the repeated changes of syllabi of P.T.U. as it being a new university, the book had to be revised and some of the chapters become redundant as these were replaced by new topics. Though the book was revised with the additional chapters, the discarded chapters also formed the part of the book.

Interference | Diffraction | Polarization | Crystal Structures | Crystal Planes And X-Ray Diffraction | Laser | Fiber Optics | Non-Destructive Testing Using Ultrasonics | Question Papers | Appendix

This book is the most well-organised, useful and up to date about career guidance for all students. Covering more than 100 topics in fields that range from school to college. Students can check at a glance summary for chosen careers to learn about career paths, examinations and more. Today, we live and breathe in the information age where all knowledge is at our fingertips, but students get confused choosing career from the wide array of career fields available after 10th & 12th standard. All the career options have been given in this book. I have included here-

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Primarily designed for the postgraduate students of computer science, information technology, software engineering and management, this book, now in its Third Edition, continues to provide an excellent coverage of the basic concepts involved in database management systems. It provides a thorough treatment of some important topics such as data structure, data models and database design through presentation of well-defined algorithms, examples and real-life cases. A detailed coverage of Database Structure, Implementation Design, Hierarchical Database Management Systems, Network Database Management Systems and Relational Database Management Systems, is also focused in this book. This book will also be useful for B.E./B.Tech. students of Computer Science and Engineering and Software Engineering. NEW TO THIS EDITION • Introduces three new chapters on relational database languages, namely, Relational Database Management Systems: Oracle 11g SQL, Relational Database Management Systems: Oracle 11g PL/SQL, and Relational Database Management Systems: Access 2013. • Text interspersed with numerous screenshots for practical under-standing of the text. • Clearly explained procedures in a step-by-step manner with chapter-end questions. • Self-explanatory, labelled figures and tables to conceptual discussion.	276	10.29. BSNL (JTO/MT/JE)-----
In educational institutions, outcome-based education (OBE) remains crucial in measuring how certain teaching techniques are impacting the students' ability to learn. Currently, these changes in students are mapped by analyzing the objectives and outcomes of certain learning processes. International accreditation agencies and quality assessment networks are all focusing on mapping between outcomes and objectives. The need of assessment tools arises that can provide a genuine mapping in the global context so that students or learners can achieve expected	278	10.30. Scholastic Assessment Test
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objectives. Assessment Tools for Mapping Learning Outcomes With Learning Objectives is a pivotal reference source that provides vital research on the implementation of quality assessment methods for measuring the outcomes of select learning processes on students. While highlighting topics such as quality assessment, effective employability, and student learning objectives, this book is ideally designed for students, administrators, policymakers, researchers, academicians, practitioners, managers, executives, strategists, and educators seeking current research on the application of modern mapping tools for assessing student learning outcomes in higher education.

The book covers all the aspects of Data Interpretation & Data Sufficiency. The book is divided into 7 chapters. Each chapter describes the concepts related to the chapter along with numerous Solved Examples. The theory portion is followed by 5 levels of exercises in each chapter: 1. Concept Applicator 2. Concept Builder 3. Concept Cracker 4. Concept Deviator 5. Concept Eliminator The past questions of major exams like CAT/ XAT/ IIFT/ SNAP are covered in the book.

As per the new syllabus of 2006-2007 Uttarakhand Technical University. The subject matter is presented in a very systematic and logical manner. The book contains fairly large number of solved examples from question papers of examinations recently conducted by different universities and Engineering Colleges so that students may not find any difficulty while answering these problems in their final examinations.

Engineering Mathematics-II

Engineering Mathematics - II is designed as per the latest MAKAUT syllabus for first year second semester engineering students for all streams except CSE & IT. This book seeks to build fundamental concepts as well as help students in their semester examination. Each topic of the book is lucidly explained and illustrated with a wide variety of examples. It provides crisp but complete coverage of topics which will help students in their higher semester examinations. Salient Features: • Written according to the latest syllabus of MAKAUT. • Excellent coverage of Multiple Integral, Complex Analysis, Differential Equations. • Step-by-Step approach illustrated with examples and diagrams. • Solved university questions in each chapter. • Solution of 2019 MAKAUT question Paper. • Rich pedagogy: 296 Solved Problems, 88 Multiple Choice Questions and 225 Exercise problems.

Lasers And Holography |Nano Technology & Super Conductivity| Crystallography & Moder Engineering |Ultrasonics | Fibre Optics Applications Of Optical Fibress

2018-19 Annual Rreport of LNJPIT, Loknayak Jai Prakash Institute of Technology, is a government engineering college in Bihar. It is managed by the Department of Science and Technology, Bihar. It is approved and recognized by the All India Council for Technical Education and is affiliated to the Aryabhatta Knowledge University of Patna.

• Strictly as per the new Semester wise syllabus for Board Examinations to be held in the academic session 2021-22 for class -12 • Largest pool of Topic wise MCQs based on different typologies • Answer key with explanations • Revision Notes for in-depth study • Mind Maps & Mnemonics for quick learning • Concept videos for blended learning • Includes Topics found Difficult & Suggestions for students. • Dynamic QR code to keep the students updated for 2021 Exam paper or any further CISCE notifications/circulars
Engineering Physics Theory And Experiments : (As Per The New Syllabus, B. Tech. I Year Of U.P. Technical University)New Age InternationalCAREER GUIDANCEUseful For All StudentsR.S.MULEY

Designed Strictly As Per The Syllabus Of U.P. Technical University, This Book Provides A Systematic Introduction To Computer Hardware And Software. After Explaining The Historical Development Of Computer Technology Through Different Generations, The Book Describes The Basic Hardware Components. Peripheral Devices Are Explained Next Followed By A Detailed Introduction To Operating Systems Including Dos, Unix And Windows. Various Features Of The Internet Are Then Described Including Internet Mail Tools Like Pine And Elm And Editors Like Edit And Vi. The Basic And Advanced Features Of C Programming Are Then Explained With Suitable Examples. Examples And Problems Are Included In Various Chapters.The Book Concludes With An Introduction To Recent Developments Like Object Oriented Programming, Java, Ub Script, Wireless Application Protocol (Wap), Hyper Text Markup Language (Html) And Xml. A Question Bank At The End Of The Book Would Be Extremely Useful In Enabling The Student To Test His Understanding Of Computer Technology.

Mathematics lays the basic foundation for engineering students to pursue their core subjects. In Engineering Mathematics-III , the topics have been dealt with in a style that is lucid and easy to understand, supported by illustrations that enable the student to assimilate the concepts effortlessly. Each chapter is replete with exercises to help the student gain a deep insight into the subject. The nuances of the subject have been brought out through more than 300 well-chosen, worked-out examples interspersed across the book.

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