

## Ongc Mechanical Question Papers

The Mechanical Engineering Trainee Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam. Logical Reasoning, Analytical Ability & GMA (4th Edition) CSAT Paper II (Access Co.)

Scope of science and technology is expanding at an exponential rate and so is the need of skilled professionals i.e., Engineers. To stand out of the crowd amidst rising competition, many of the engineering graduates aim to crack GATE, IES and PSUs and pursue various post graduate Programmes. Handbook series as its name suggests is a set of Best-selling Multi-Purpose Quick Revision resource books, those are devised with anytime, anywhere approach. It's a compact, portable revision aid like none other. It contains almost all useful Formulae, equations, Terms, definitions and many more important aspects of these subjects.

Mechanical Engineering Handbook has been designed for aspirants of GATE, IES, PSUs and Other Competitive Exams. Each topic is summarized in the form of key points and notes for everyday work, problem solving or exam revision, in a unique format that displays concepts clearly. The book also displays formulae and circuit diagrams clearly, places them in context and crisply identities and describes all the variables involved. Mechanics, Strength of Materials, Theory of Machine, Machine design, Fluid Mechanics, Heat and

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Mass Transfer, Thermodynamics, Power Plant Engineering, Refrigeration and Air Conditioning, Internal Combustion engine, Material Science and Production Engineering, Industrial Engineering, Element of Computation.

GATE MECHANICAL ENGINEERING, Second Edition PHI Learning Pvt. Ltd.

John F. Kennedy once said, “ask not what country can do for you, ask what you can do for your country” and this quote directly and clearly reflects our Indian Army. Serving the nation is everybody’s dream but having a brave heart is not one everyone’s cup of tea only passionate people inculcate this. The Indian Army is an excellent source skilled manpower. Every year lakhs of young aspirants enroll to its different wings to its different examinations so, Indian army soldiers (Technical) MER Examination is one of them. This examination held four times a year. Indian Army Technical Written Examination consists of 2 papers – Paper I: that checks Intelligence Quotient (IQ), Numeral Ability and General Knowledge and Paper II: That checks technical portion of the candidates i.e. physics, chemistry and mathematics. The revised edition of ‘Indian Army Soldier Technical Recruitment Exam’ book is completely designed as per latest syllabus and examination pattern. The book divided into 6 sections and 3 Practice sets. Each chapter of this book has ample amount of solved and unsolved questions that gives the exact feel of the paper, solutions are well explained in easy and lucid language so that candidates could understand easily quickly and to make familiar with recent pattern of question paper and answer

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writing skills. This book is prepared according to the level of the examination so that candidates can assure after preparing from it. TABLE OF CONTENT Mathematics, Physics, Chemistry, General Knowledge, Current affairs, Practice Sets (1-3).

Revised extensively, the new edition of this text conforms to the syllabi of all Indian Universities in India. This text strictly focuses on the undergraduate syllabus of Design of Machine Elements I and II , offered over two semesters.

This textbook is targetted to undergraduate students in chemical engineering, chemical technology, and biochemical engineering for courses in mass transfer, separation processes, transport processes, and unit operations. The principles of mass transfer, both diffusional and convective have been comprehensively discussed. The application of these principles to separation processes is explained. The more common separation processes used in the chemical industries are individually described in separate chapters. The book also provides a good understanding of the construction, the operating principles, and the selection criteria of separation equipment. Recent developments in equipment have been included as far as possible. The procedure of equipment design and sizing has been illustrated by simple examples. An overview of different applications and aspects of membrane separation has also been provided. 'Humidification and water cooling', necessary in every process indus-try, is also described. Finally, elementary principles of 'unsteady state diffusion' and mass transfer accompanied by a chemical

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reaction are covered. SALIENT FEATURES : • A balanced coverage of theoretical principles and applications. • Important recent developments in mass transfer equipment and practice are included. • A large number of solved problems of varying levels of complexities showing the applications of the theory are included. • Many end-chapter exercises. • Chapter-wise multiple choice questions. • An Instructors manual for the teachers.

GATE Mechanical Engineering is designed for candidates preparing for the Graduate Aptitude Test in Engineering (GATE). This examination is conducted across the country by the IITs and IISc and it focuses on engineering and science subjects. On the basis of the GATE Score, the higher educational institutes offer admission for M.Tech and Ph.D. programs. The GATE Score is also used by Public Sector units like ONGC, NTPC, ISRO, BHEL, DRDO, IOCL, NHPC and others to recruit entry-level engineers. The book is a valuable resource for the students who wish to achieve success in the GATE, and want to succeed in academic and employment pursuits. This book is based on the latest syllabus of GATE. It is divided into 17 chapters and each chapter contains key concepts and formulas, solved examples, previous years' GATE questions, and practice paper with solutions. KEY FEATURES • Key concepts and formulas to facilitate quick revision of the important points in each chapter. • Practice papers to self-assess are available at

[https://www.phindia.com/DP\\_Sharma\\_GATE\\_ME/](https://www.phindia.com/DP_Sharma_GATE_ME/) • More than 2100 problems with solutions to develop

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problem-solving skills. • More than 1500 diagrams for easy understanding of the concepts which make the reading more fruitful. • Most of the questions are from previous years' GATE and IES exam papers. • Multiple choice questions help students to assess their learning. • Lucid presentation of solutions of practice papers to improve on the areas that need improvements. TARGET AUDIENCE • GATE examination (Mechanical Engineering) • PSUs examinations (Mechanical Engineering) • IES examination (Mechanical Engineering) • BE/B.Tech (Mechanical Engineering)

This book provides the students with a solid foundation in the technology of microprocessors and microcontrollers, their principles and applications. It comprehensively presents the material necessary for understanding the internal architecture as well as system design aspects of Intel's legendary 8085 and 8086 microprocessors and Intel's 8051 and 8096 microcontrollers. The book throughout maintains an appropriate balance between the basic concepts and the skill sets needed for system design. Besides, the book lucidly explains the hardware architecture, the instruction set and programming, support chips, peripheral interfacing, and cites several relevant examples to help the readers develop a complete understanding of industrial application projects. Several system design case studies are included to reinforce the concepts discussed. With exhaustive coverage provided and practical approach emphasized, the book would be indispensable to undergraduate students of Electrical and Electronics, Electronics and Communication, and

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Electronics and Instrumentation Engineering. It can be used for a variety of courses in Microprocessors, Microcontrollers, and Embedded System Design.

An Idial Book for ISRO Computer Science - Previous Years' Solved Papers (2008-2018)

Previous Years' Solved Question Papers GATE Mechanical Engineering 2019

While writing the book,we have continuously kept in mind the examination requirments of the students preparing for U.P.S.C.(Engg. Services)and

A.M.I.E.(I)examinations.In order to make this volume more useful for them,complete solutions of their examination papers up to 1975 have also been

included.Every care has been taken to make this treatise as self-explanatory as possible.The subject matter has been amply illustrated by incorporating a good number of solved,unsolved and well graded examples of almost every variety.

Properties, Specifications and Applications: Covering the subject of steel metallurgy from its applications point of view, this book discusses the applied metallurgical knowledge required for easy-learning about steels, their properties, specifications, heat treatment and

applications. : The book is conceptually divided into four parts: ÿThe first part introduces the basic metallurgical facts about steel and its characteristics, covers the most important aspects of steel metallurgy, its applications, and fundamental features of steelmaking and rolling processes, and highlights the different types of properties of steel and the need for testing and evaluation: ÿDiscussing the classifications, specifications

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and properties of steels in a more quantitative manner (based on popular standards and standard-based data), the second part focuses on different steel grades and their merits and properties for selection and applications. The third part focuses on heat treatment and welding of steels, various heat treatment methods and their purposes, and basic aspects of welding and welding precautions in steels. Dwelling on the application of steels, the fourth part discusses the totality of steel applications from the point of view of reliability and component integrity, the importance of cost and quality optimization in applications, and the criticality of design and manufacturing quality for prevention of failures. Steel Metallurgy has been designed to provide all necessary information and practice-based knowledge about steel characteristics, steel properties, steel grades, and steel applications for selecting, processing and using steels with right understanding and for the right purposes.

Highlights of the book:

- Provides deep theoretical and practice-based knowledge about steels, their properties, specifications, heat treatment and applications
- Includes large number of examples, illustrations and case studies
- Includes elaborate Index of contents for cross-referencing, a Bibliography for further reading and reference, and Glossary of Important Metallurgical Terms
- Simplified and highly illustrated narration ideal for metallurgical students, metallurgists and non-metallurgical engineers

The book is intended for both students and practitioners. The book will help students of metallurgy and other engineering disciplines to understand the applied and functional-basics of steels

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relating to their properties, specifications and applications. Engineers and technical personnel in industries dealing with steel processing and its uses will benefit from the hard look the book takes for the precise selection of steel for the right purposes by providing workable knowledge on steel metallurgy and steel specifications. ÿ

In the present edition, authors have made sincere efforts to make the book up-to-date. A notable feature is the inclusion of two chapters on Power System. It is hoped that this edition will serve the readers in a more useful way.

Hydraulics and Fluid Mechanics is a collection of papers from the Proceedings of the First Australian Conference held at the University of Western Australia on December 6-13, 1962 at Nedlands, Australia. This book deals with the science of hydraulics and fluid mechanics in their practical uses in industry and research. In special situations when high-pressure oil is used in mechanical equipment, hydraulic lock is preferred for valve control. This book reviews the pressure drop in the pneumatic transfer of granular solids in a pipe where a formula is derived to determine the pressure drop when using either a straight or bent pipe. This text also discusses the improvements on the cavitation performance of flow pumps by using prerotation at design points. The construction of a dam in Tasmania provides another study on the behavior of rock-fill slopes subjected to seepage. Here, the book analyzes the hydraulic forces acting on the rock particles, and explains theories on the derivation of the dynamic equation for spatially varied



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flow with increasing discharge on a steep slope. The book also examines the concept of critical depth in spatially varied flow with increasing discharge on a steep slope. This book investigates the use of a computer model designed to determine the methods of draining flooded farmlands either through hydraulically or electrically operated drainage systems. This text also evaluates the cost of constructing a project. This collection is suitable for people in the field of applied mathematics, physics, and engineering.

GKP has always been an impeccable source of preparation to a large number of students when it comes to different competitive and Government Recruitment Exams. The Recruitment Examination for SBI/IBPS Clerk/PO RRB/RBI/SSC/Insurance and other Computer knowledge based exams, are an opportunity for young graduates and professionals to accelerate their career growth. Continuing with GKP's mission to provide students with quality preparation material for recruitment tests conducted by IBPS, we have come up with Objective Computer Knowledge for the recruitment in IBPS/SBI/RRB/RBI/SSC and other Computer Knowledge exams conducted. It focuses on the fundamental topics to strengthen the basic knowledge of the students. Each question is supported with answers for understanding concepts more clearly. This book will help students familiarize themselves with the exam pattern and weightage of

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questions. About the current edition: ? Elaborated & Detailed theory ? Covers more than 1400 MCQ's ? Supported with Practice Exercises

Savvy in the ways of the streets, Dirk Montgomery investigates the increasing number of deaths linked to the hallucinogenic drug 2XS and is ill-prepared for the foul and alien force that is about to take him by surprise. Original.

How can otherwise normal, moral persons - as citizens, voters, and jurors - participate in a process that is designed to take the life of another? In DEATH BY DESIGN, research psychologist Craig Haney argues that capital punishment, and particularly the sequence of events that lead to death sentencing itself, is maintained through a complex and elaborate social psychological system that distances and disengages us from the true nature of the task. Relying heavily on his own research and that of other social scientists, Haney suggests that these social psychological forces enable persons to engage in behavior from which many of them otherwise would refrain. However, by facilitating death sentencing in these ways, this inter-related set of social psychological forces also undermines the reliability and authenticity of the process, and compromises the fairness of its outcomes. Because these social psychological forces are systemic in nature - built into the very system of death sentencing itself - Haney concludes by suggesting a

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number of inter-locking reforms, derived directly from empirical research on capital punishment, that are needed to increase the fairness and reliability of the process. The historic and ongoing public debate over the death penalty takes place not only in courtrooms, but also in classrooms, offices, and living rooms.

This timely book offers stimulating insights into capital punishment for professionals and students working in psychology, law, criminology, sociology, and cultural area studies. As capital punishment receives continued attention in the media, it is also a necessary and provocative guide that empowers all readers to come to their own conclusions about the death penalty.

Hundreds of students write the GATE Life Science Chemistry paper every year. GATE 2020 Life Science Chemistry & General Aptitude study manual from GKP's GATE Prep Series will be ideal for the Chemistry and General Aptitude paper preparation. Since its inception in 1994, the book has become student's choice when looking for GATE life science books. With time bound practice, comprehensive content coverage and numerous practice questions, our book will make your GATE preparation journey smooth and fruitful. About the current edition: a. Thoroughly revised and updated syllabus with chapter-wise division of entire curriculum b. 24x7 access to premium content via our Android application and web portal c. In-depth coverage of

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topics from all sections prescribed in the syllabus d. 2500+ practice questions, MCQs and numerical e. Completely solved question papers of 2016-19 f. 3 full length mock tests for students to assess their preparation levels

This edition has been thoroughly revised and enlarged. It is still considered to be a must for all those sitting Civil Engineering examinations.

The Engineering Assistant Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: science and mathematics; engineering calculations; abstract reasoning; reading plans, drawings and specifications; understanding and interpreting written material; and more.

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

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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

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