

Civil Rcc Objective Type Question With Solution

This book comprises select papers from the International Conference on Emerging Trends in Civil Engineering (ICETCE 2018). Latest research findings in different branches of civil engineering such as structural engineering, construction materials, geotechnical engineering, water resources engineering, environmental engineering, and transportation infrastructure are covered in this book. The book also gives an overview of emerging topics like smart materials and structures, green building technologies, and intelligent transportation system. The contents of this book will be beneficial for students, academicians, industrialists and researchers working in the field of civil engineering.

The field of Concrete Repair and Rehabilitation is gaining importance in view of its positive impacts in terms of socio-economic benefits and environmental sustainability. Due to growing importance of this field, many engineering colleges have included the subject of concrete repair and rehabilitation in the senior undergraduate and postgraduate course curriculums of civil engineering. This book is an earnest attempt to help students of civil engineering in enhancing their understanding and awareness about critical elements of repair and rehabilitation of concrete structure. The content is organised in such a way that it fulfils the academic needs of the students. This text attempts to dovetail all important aspects such as causes of distress, assessment and evaluation of deterioration, techniques for repair and rehabilitation along with selection of repair and rehabilitation materials and other important aspects related to preventive maintenance and rehabilitation/structural safety measures. The primary objective of this textbook is to guide students to:

- Understand the underlying causes and types of deterioration in concrete structure
- Learn about the field and laboratory testing methods available to evaluate the level of deterioration.
- Get well acquainted with options of repair materials and techniques available to address different types of distress in concrete structure.
- Grasp the knowledge of available techniques and their application for strengthening existing structural systems.

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

The Book Provides A Lucid And Step-By-Step Treatment Of The Various Principles And Methods For Solving Problems In Land Surveying. Each Chapter Starts With Basic Concepts And Definitions, Then Solution Of Typical Field Problems And Ends With Objective Type Questions. The Book Explains Errors In Survey Measurements And Their Propagation. Survey Measurements Are Detailed Next. These Include Horizontal And Vertical Distance, Slope, Elevation, Angle, And Direction. Measurement Using Stadia Tacheometry And Edm Are Then Highlighted, Followed By Various Types Of Levelling Problems. Traversing Is Then Explained, Followed By A Detailed Discussion On Adjustment Of Survey Observations And Then Triangulation And Trilateration. A Detailed Discussion On Various Types Of Curves And Their Setting Out Is Followed By Calculation Of Areas And Volumes. The Last Chapter Includes Point Location And Setting Out Works In Civil Engineering Projects. Suitable Illustrations And Worked Out Examples Are Included Throughout The Book. Selected Practice Problems Are Given At The End Of The Book. The Book Would Serve As An Excellent Text For Degree And Diploma Students Of Civil Engineering. Amie Candidates And Practicing Engineers Would Also Find This Book Extremely Useful.

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 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 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 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 achieved.

Advanced Construction Technology offers a comprehensive, practical, illustrative guide to many aspects of construction practice used for industrial and commercial buildings.

The whole area of durability, integrity and quality control of structures is starting to be taken very seriously by the construction industry. Central to this is the design life concept, which looks at the materials used, methods of construction, safety factors, maintenance and repair, and change of use, all from a holistic viewpoint. This new book

Staff Selection Commission, popularly known as SSC is one of the major staff recruiting bodies of the Government of India. SSC is an organizational structure under the direct control of the Government of India which conducts several examinations throughout the year to select subordinate staffs for various Ministries and Departments of the Government of India. SSC is directly attached to the Department of Personnel and Training under the administrative control of the Ministry of Personnel, Public Grievances & Pensions, Government of India. SSC JE (Civil) is one of the main exams conducted by the Staff Selection Commission to recruit Junior Civil Engineers for various Ministries and Departments of the Government of India. SSC JE (Civil) is one of the most popular exams conducted by the Staff Selection Commission. SSC JE Civil consists of two papers, Paper 1 is objective & Paper 2 is descriptive. Paper 1 comprises objective type questions on General Intelligence and Reasoning, General Awareness, and General Engineering (Civil & Structural). Paper 2 is a written examination comprises descriptive type question on General Engineering (Civil & Structural) to be completed in 2 hours. Both papers are set in English & Hindi languages so that candidates can choose their preferred language.

This book, in its third edition, continues to focus on the basics of civil engineering and engineering mechanics to provide students with a balanced and cohesive study of the two areas (as needed by them in the beginning of their engineering education). A basic undergraduate textbook for the first-year students of all branches of engineering, this book is specifically designed to conform to the syllabus of Visvesvaraya Technological University (VTU). Imparting the basic knowledge in various facets of civil engineering and the related engineering structures and infrastructure such as buildings, roads, highways, dams and bridges, the third edition covers the engineering mechanics portion in eleven chapters. Each chapter introduces the concepts to the reader, stepwise. Providing a wealth of practice examples, the book emphasizes the importance of building strong analytical skills. Practice problems, at the end of each chapter, give students an opportunity to absorb concepts and hone their problem-solving skills. The book comes with a companion CD containing the software developed using MS-Excel, to work out the problems on Forces, Centroid, Friction and Moment of Inertia. The use of this software will enable the students to understand the concepts in a relatively better way. NEW TO THIS EDITION • Introduces a chapter on Kinematics as per the revised Civil Engineering syllabus of VTU • Updates with the latest examination Question Papers, including the one held in the month of December 2013

Instant Access to Civil Engineering Formulas Fully updated and packed with more than 500 new formulas, this book offers a single compilation of all essential civil engineering formulas and equations in one easy-to-use reference. Practical, accurate data is presented in USCS and SI units for maximum convenience. Follow the calculation procedures inside Civil Engineering Formulas, Second Edition, and get precise results with minimum time and effort. Each chapter is a quick reference to a well-defined topic, including: Beams and girders Columns Piles and piling Concrete structures Timber engineering Surveying Soils and earthwork Building structures Bridges and suspension cables Highways and roads Hydraulics, dams, and waterworks Power-generation wind turbines Stormwater Wastewater treatment Reinforced concrete Green buildings Environmental protection A book of broad interest to professionals, dam engineers and managers, and to organizations responsible for dam development and management, RCC Dams offers a topical account of the design and operation of roller compacted concrete dams, describing the latest developments and innovative technologies in the field. The book considers planning and design, materials and construction, as well as the operation and performance of RCC dams.

SSC JE 2020 CIVIL ENGINEERING SOLVED PAPERS

This Book is designed for Civil Engineering aspirants those are appearing in Mains Exam of JPSC (Jharkhand Public Service Commission) Assistant Engineer. It covers complete syllabus of Section-I (Objective Papers) of JPSC Mains by dividing it in three parts; Civil Engineering Paper-I, Civil Engineering Paper-II and General Ability according to the Exam pattern. The Book not only consists major subjects of Civil Engineering, like SOM, TOS, Building Materials, RCC, Steel, Soil, Environment, FM, Machines, Highways, but also, includes minor subjects, such as Railway and Airport, Docks and Harbour, etc. Even, in the Book, the General Ability part is also classified in sub-parts of General English, Indian History, Polity, Economy, Geography, General Science and in most important Current Affairs. The Book also includes questions of Previous Year JPSC Mains Exam. There are a total of 4100+ questions in the Book published in more than 600 Pages. Due to its exam oriented pattern, we hope, this Book will fulfill all needs of aspirants of JPSC Mains.

Jagranjosh's Banking & SSC e-book April 2021 eBook is a one-stop solution to help students preparing for the upcoming SSC JE & RBI Grade B 2021 Exams. All the chapters of this e-book are reader-friendly and easy to understand. Our team at Jagranjosh.com wishes all the very best to the aspirants of Banking & SSC Exams. Key Feature Banking & SSC e-book April 2021 is prepared by subject matter expert team of Jagranjosh.com, who worked up the best to come up with this all-inclusive preparation package for SSC JE & RBI Grade B 2021 Exams. The book includes a preparation strategy for SSC JE & RBI Grade B 2021 Exams. This e-book also contains Important Topics of SSC JE Exam. Apart from this, the book also has extensive coverage of important events throughout the month.

The book 'SSC-JE 2019: Civil Engineering Previous Years Topicwise Objective Detailed Solutions with Theory' by IES Master has been structured in such a manner that it helps SSC-JE aspirants from CE branch develop the feel of subjects like RCC, Strength of Materials, Environmental Engineering, Soil Mechanics, etc. The previous years' (from 2004 to 2018) questions decoded in a Question-Answer format in this book not only give engineering students ample amount of relevant theory, but an extra theory along with reasoning for other given options. This masterpiece from IES Master's Research & Development team ensures that the level of preparedness of a SSC-JE aspirant matches exactly to that required in the actual SSC-JE exam. Thus far, and no further, the book leaves no stone unturned in its easy-to-understand language, optimized with fonts and layout that your eyes will surely relish. This book is also helpful for CE students aspiring for State Engineering Services, PSUs, RRB-JE, State PSUs, DMRC, LMRC, etc.

Civil Engineering Multiple Choice Questions for SSC-JE / RRB-JE / Technical Exams for B.Tech and Diploma Students. It is useful for Junior Engineer Exams and Placements Post Graduate Engineering Common Entrance Test (PGECET) is AP State Level Common Entrance Test for admission into Regular PG Courses in Engineering, Technology, Architecture, Pharmacy and Planning (ME / M.Tech./ M.Pharmacy / M.Arch / M. Tech. / M. Plg./ Graduate level Pharm-D (Post Baccalaureate) courses conducted by University College of Engineering, Osmania University on behalf of A.P. State Council of Higher Education (APSCHE), a statutory Body of the Government of A.P., Hyderabad.

Part-I: ROAD ENGINEERING: Introduction * Glossary * History of Development of Highway and Planning * highway Planning * Highway Economics and Financing * Guiding Principles of Route Selection and Highway Location * Drainage * Highway Materials * Geometric Design * Highway Construction * Hill Roads * Highway Machinery Roads Arboriculture * Traffic Engineering * Highway Failure and Their Maintenance * Pavement Design * Quality Control * Objective Type Questions on Highways * Solved Problems on Highways. Part-II : RAILWAY ENGINEERING: History of Railways * Railway Track & Track Stresses * Railway Gauges * Rails * Sleepers * Ballast * Foundation and its Drainage * Track Fitting and Fastening Track Alignment & Surveying * Traction and Tractive Resistance * Rolling Stock of Railways * Geometric Design of a Railway Track * Creep * Stations and Yards * Station Equipments * Points, Crossings and Simple Layouts * Signalling & Inter-locking * Level Crossings * Welding of Railways * Long and short Welded Rails * Manual Maintenance of Track * Mechanised Maintenance of Track * Directed Track Maintenance * Measured Shovel Packing Track Tolerances * Track Renewal * Accidents * Duties of Permanent Way Officials * Material Management * Objective Type Questions on Railways * Solved Problems on Railways. Part-III: BRIDGE ENGINEERING : Introduction * Bridge Terminology * Investigation and Planning for Bridges * Type of Bridges * General Principles of Design * Sub Structures * Foundations * Super Structures of Arch Designs * Girder Bridges * Low Cost Bridges * Permanent Small Bridges * Bearings * Loads on Bridges * Design of Bridge Foundation * Design of Arch Bridges * Design of Solid R.C.C. Slab Bridges * R.C.C. Girder Bridges * Inspection of Bridges * Maintenance of Bridges * Testing Strengthening of Bridge * Protection and Training Works for Bridges * Objective Type Question on Bridges Engineering. Part-IV: TUNNEL ENGINEERING : General Aspects * Alignment of Tunnels * Drilling * Blasting * Tunneling * Shafts *

Ventilation, Lighting and Drainage of Tunnels * Tunnel Lining * Safety in Tunnelling * Objective Type Questions on Tunnel Engineering.Part-V: HARBOUR-DOCK ENGINEERING: Water Transportation and Sea * Terminology * Natural Phenomena- Wind, Wave and Cyclones * Harbours and Ports * Break Water * Docks * Dry or Repair Docks * Locks * Channel, Basin and Berths * Appurtenances of a Harbour * Apron, Transit Sheds and Warehouses * Dredging and Dregers * Navigational Aids * Shore Protection Works. Questions.

Reinforced Concrete DesignCivil Engineering MCQ for JEDharshi Technologies Pvt. Lt.d

Primarily aimed to be an introductory text for the first course in surveying for civil, architecture and mining engineering students, this book, now in its second edition, is also suitable for various professional courses in surveying. Written in a simple and lucid language, this book at the outset, presents a thorough introduction to the subject. Different measurement errors with their types and nature are described along with measurement of horizontal distances and electronic distances measurements. This text covers in detail the topics in levelling, angles and directions and compass survey. The functions and uses of different instruments, such as theodolites, tacheometers and stadia rods are also covered in the text. Besides, the book elaborates different fields of surveying, such as plane table surveying, topographical surveying, construction surveying and underground surveys. Finally, the book includes a chapter on computer applications in surveying. KEY FEATURES : Includes about 400 figures to explain the fundamentals of surveying. Uses SI units throughout the book. Offers more than 170 fully-solved examples including the questions generated from premier universities. Provides a large number of problems and answers at the end of each chapter. Incorporates objective questions from AMIE exams and Indian Engineering Services exams.

So far working stress method was used for the design of steel structures. Nowadays whole world is going for the limit state method which is more rational. Indian national code IS:800 for the design of steel structures was revised in the year 2007 incorporating limit state method. This book is aimed at training the students in using IS: 800 2007 for designing steel structures by limit state method. The author has explained the provisions of code in simple language and illustrated the design procedure with a large number of problems. It is hoped that all universities will soon adopt design of steel structures as per IS: 2007 and this book will serve as a good textbook.A sincere effort has been made to present design procedure using simple language, neat sketches and solved problems.

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

Delhi Subordinate Services Selection Board (DSSSB) is a board that conducts recruitment exams for various posts under the departments of Government of national Capital Territory of Delhi. Which takes care of the needs of employees in the NCT Delhi. DSSSB has notified many vacancies to recruit the eligible candidates for the posts of DSSSB JE (Civil). Candidates must have a degree in Civil Engineering from a recognized University or three years diploma in Civil Engineering plus two year experience in planning, execution and maintenance of civil engineering.

I feel elevated in presenting the New edition of this standard treatise.The favourable reception,which the previous edition and reprints of this book have enjoyed,is a matter of great satisfaction for me.I wish to express my sincere thanks to numerous professors and students for their valuable suggestions and recommending the patronise this standard treatise in the future also.

SSC 2019 JUNIOR ENGINEER SOLVED PAPERS

This book equips the students with the basic knowledge of certain facets of Civil Engineering and Engineering Mechanics as needed by them in the beginning of their engineering education. The book is primarily tailored to conform to the first-year B.Tech syllabus of Visvesvaraya Technological University (VTU). It will be useful for the students in other universities too. The first part of the book discusses the fundamentals of civil engineering and the characteristics of some civil structures, such as buildings, roads, bridges, and dams. The second part deals with the topics of engineering mechanics that help in finding the solutions to problems of engineering. It deals with the systems of forces to which rigid bodies are subjected, centroids of plane figures, moment of inertia of some important geometrical figures, and the laws of friction. Worked-out examples, practice problems, and objective-type questions in each chapter are designed to reinforce the learning of the subject matter.

Including Dams Engineering, Hydrology and Fluid Power Engineering. For the student of B.E./B.Tech. Civil Engg., Institution of Engineers (India) U.P.S.C. Exam & Practising Engineers.

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