

## **FUNDAMENTALS OF CIVIL ENGINEERING & ENGINEERING MECHANICS:**

**Module 1: Civil Engineering & its Significance**

**Module 2: Current Trends in Infrastructure Engineering**

**Module 3: Analysis of Coplanar Concurrent Force system**

**Module 4: Centroid of Plane Figures**

**Module 5: Moment of Inertia of Plane figures**

### **TEXT BOOKS:**

1. Ganesh B. Mogaveer and M.N. Sheshaprakash (2015). Elements of Civil Engineering and Engineering Mechanics (3<sup>rd</sup> ed.). PHI learning Private Limited.
2. Bansal R. K., Rakesh Ranjan Beohar and Ahmad Ali Khan (2015). Basic Civil Engineering and Engineering Mechanics (3<sup>rd</sup> ed.). Laxmi Publications.
3. Irving H. Shames (2015). Engineering Mechanics. (4<sup>th</sup> ed.). Prentice-Hall.

### **REFERENCE BOOKS:**

1. Ferdinand Beer and Johnston (2019). Vector mechanics for Engineers (12<sup>th</sup> ed.). McGraw-Hill Education.
2. M Anji Reddy (2019). Engineering Mechanics. New Age International.
3. Reddy Vijaykumar K and Suresh Kumar K (2011). Engineering Mechanics (3<sup>rd</sup> ed.). BS publications.

# Civil Engineering Syllabus Of Examinations 199edition

**California. State Board of Registration  
for Civil and Professional Engineers**

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Civil Engineering Draftsman I National Learning Corporation,2015 The Civil Engineering Draftsman I 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 *101 Solved Civil Engineering Problems* Michael R. Lindeburg,1996 Working typical problems offers invaluable practice for the civil engineering PE exam Problems in 101 Solved Civil Engineering Problems written in realistic exam format to familiarize the examinee with the variety and difficulty of questions on the exam All exam subjects are represented and solutions are included This new edition of 101 Solved Civil Engineering Problems has been updated to reflect the 1994 UBC the version of the code currently tested on the exam Handbook of Civil Engineering Praveen Dwivedi,Prachi Bajpai,2019-09-25 The last

leg of all technical competitive exams including GATE ESE and PSUs require brushing of concepts and quick revisions However with bulky books the same is not possible You can and probably have already missed key formulae and ended up with not so good results To make your life easy GKP has come up with Handbook series for Mechanical Engineering Civil Engineering Electrical Engineering Computer Science Engineering and Electronics and Communications Engineering Our Handbook for Civil Engineering serves as a quick reference guide to brush up key concepts It also helps you revise the entire syllabus quickly in limited time Civil engineering is a sought after branch in major PSUs and several students write its paper annually We hope that the book is immensely useful for students aiming to clear competitive examinations and for students looking for exam preparation material to revise various concepts Key features of the book include a Last minute prep aspects b Formulae with conceptual clarity c Definitions and equations with explanatory notes **Quick Reference for the Civil**

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opportunity to recognize related concepts and apply your knowledge of relevant theory and equations The structural and transportation problems reference the design standards adopted by NCEES so you can become familiar with those resources and identify which will be most useful on exam day The breadth of topics covered and the varied problem complexity allow you to assess and strengthen your problem solving skills regardless of which afternoon exam you choose to take For all problems comprehensive step by step solutions illustrate accurate and efficient solving methods Civil Engineering Solved Problems will help you familiarize yourself with exam topics connect relevant engineering theories to challenging problems navigate through exam adopted codes and standards quickly identify accurate and efficient problem solving approaches Exam Topics Covered Water Resources Fluid Mechanics Hydraulic Machines Open Channel Flow Hydrology Water Supply Geotechnical Soils Foundations Environmental Wastewater Structural Concrete Steel Timber Masonry Transportation Transportation Surveying Systems Management and Professional Engineering Economic Analysis What s New in This Edition Structural topic code updates including Concrete updated to ACI 318 2008 Ed Steel updated to AISC 13th Ed Timber updated to NDS 2005 Ed Masonry updated to ACI 530 2008 Ed and 530 1 2008 Ed Transportation topic code updates including Transportation updated to AASHTO A Policy on Geometric Design of Highways and Streets 2004 Ed The Asphalt Handbook 2007 Ed HCM 2000 Ed MUTCD 2009 Ed PCA 2002 rev 2008 Ed A nomenclature list was added

**Principles and Practice of Engineering** National Council of Examiners for Engineering and Surveying,2000      **Syllabus and Sample Examination Questions** California. State Board of Registration for Civil and Professional Engineers,1931      Civil Engineering Pergande Publishing Company,1939      **Civil Engineer I, II, III, IV, V** National Learning Corporation,2019-02 The Civil Engineer I II III IV V 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 engineering specifications and estimates methods and materials of construction principles and practices of civil engineering construction and maintenance of highways bridges and other related structures contracts and contract administration preparation of written material and supervision      *Syllabus and sample examination questions. September 1, 1932* California. State Board of Registration for Civil and Professional Engineers,1932

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