

15 Recommended Books for GATE Civil Engineering 2018

If you are looking forward to getting admission in a leading college or a reputed PSU then GATE 2019 Exam is a brilliant opportunity. However, GATE preparation demands a lot of hard work and dedication. The competition is high and you have to prepare really well if one wants to clear the GATE Exam. In order to achieve success, you need to be prepared with the [Complete GATE Syllabus](#) as well as a well-knitted strategy. Therefore, we bring to you the List of **15 Best Books for GATE Civil Engineering**.

If you are preparing for the GATE Civil 2019 Exam, you should start your preparation. **It is important to have a good preparation strategy, that includes learning theory, building concepts, taking tests and analyzing your performance.** This list of **Must-Read Books for GATE Civil Engineering** will boost your preparation. You can also download this list of GATE Books for Civil Engineering (CE) 2019 as PDF.

Best Books for GATE Civil Engineering (CE) 2019

It is very important to select the books which are worth spending time. Selection of books will help you to fetch good marks. This list of recommended Books for GATE Civil Engineering for GATE 2019 has been compiled by experts who have cleared previous GATE exams.

Sl. No.	Books	Authors
1	(i) Strength of Material	Dr. R. K. Bansal
2	(ii) Strength of Material	U. C. Jindal
3	(iii) Strength of Material	B. C. Punmia

4	Structural Analysis - Theory of structures	S. Ramamrutham & R. Narayan
5	R.C.C. Design - Reinforced Concrete Design	Devdas Menon & S. Pillai
6	Design of Steel Structure	S.K. Duggal
7	Environment Engineering - Water Supply Engineering: Environmental Engineering v.1 & Sewage Disposal and Air Pollution Engineering	S. K. Garg
8	Soil Mechanics - Basics and Applied Soil Mechanics	Gopal Ranjan & A. S. R. Rao
9	(i) Hydraulics and Fluid Mechanics	Dr. P. N. Modi & Dr. S. M Seth
10	(ii) Fluid Mechanics in SI Units	Yunus Cengel
11	Highway Engineering	S. K. Khanna & C. E. G. Justo
12	Surveying (vol. 1,2,3)	B. C. Punia, Ashok Jain & Arun Jain
13	Engineering Hydrology	K Subramanya
14	Irrigation Engineering and Hydraulic Structures	S. K. Garg
15	Construction Material & Management	S.C Rangwala, M.L. Gambhir, B. C. Punia

Details about Books for GATE Civil Engineering

I. Strength of Material by R.K. Bansal

II. Strength of Materials by U.C. Jindal

III. Strength of Materials by B.C Punmia

It contains all you need to know about the subject in a detailed yet simple and easy manner. A large number of numerical problems from different B.E. degree examinations have been added with a solution at proper places. Highlights, theoretical questions and many unsolved numerical problems with answers have been given for the students to practice at the end of each chapter.

For details on Quality Numerical Problems, '**B.C Punmia**' is very helpful.



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2. Structural Analysis- Theory of structures by S. Ramamrutham & R. Narayan

The book covers all the theory with detailed understandings. This book contains a large number of solved and unsolved problems for practice that resembles the exam questions.

3. R.C.C. Design- Reinforced Concrete Design by Devdas Menon & S. Pillai

This book covers all the theory as well as the design problems in a very well manner with a good number of examples.

4. Design of Steel Structure by S.K. Duggal

The book covers the topics in depth, yet at the same time in a concise and student-friendly way. The content has been arranged in a very organized and graded manner and an ample amount of solved and worked out problems are given.

5. Environment Engineering - Water Supply Engineering: Environmental Engineering v. 1 & Sewage Disposal and Air Pollution Engineering by S. K. Garg

This book contains the theory with detailed explanation. Multiple choice questions are provided for each chapter. The book also has separate chapters that cover questions for Engineering Service Exams and the Civil Services Examination.

6. Soil Mechanics - Basics and Applied Soil mechanics by Gopal Ranjan, A.S.R.Rao

The book provides a modern coverage of the engineering properties of soils and makes extensive reference to the Indian Standard Codes of Practice. The inclusion of about 160





short-answer questions and over 400 objective questions in the Question Bank makes the book useful for GATE aspirants.

7. I. Hydraulics and Fluid Mechanics by Dr. P.N.Modi, Dr.S.M Seth

II. Fluids Mechanics in SI Units by Yunus Cengel

The book contains the entire syllabus covering all the branches in a very easy manner. It includes a large number of questions from different competitive examinations.

8. Highway Engineering by S.K.Khanna, C.E.G.Justo

In this book, all the theory parts are covered very well with workout examples. A large number of unsolved problems are also there for practice.

9. Surveying (vol. 1,2,3) by B.C.Punia, Ashok Jain, Arun Jain

This book has every topic is comprehensively explained. It is accompanied by relevant examples of their practical use. Furthermore, they have included a wide range of numerical examples for the benefit GATE aspirants.

10. Engineering Hydrology by K Subramanya

The book explains all the theories, especially the hydrograph which is very important for GATE exams. It has examples that emphasize the current water-resources scenario in India with updated statistical data.

11. Irrigation Engineering and Hydraulic Structures by S.K Garg

The book explains the techniques which are employed for the development and management of water resources. This topic has been explained in a better manner.





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12. Construction Material & Management

Every year, one or two problems on Construction materials are asked by GATE and considering the importance of the topic, it will be asked in the coming years as well. Eminent author like '**S.C Rangwala**' will cover your all topics of Building materials except concrete technology. For Concrete Technology one should read the very popular book "Concrete Technology by '**M.L Gambhir**'.

One short problem based on CPM-PERT is asked by GATE, So to increase the problem-solving skill, '**CPM-PERT by B.C Punmia**' is considered as the best book for GATE examinations.

Moreover, you need to practice General Aptitude & Verbal Reasoning for GATE 2018. You should practice last five to eight years GATE questions to prepare well.

Moreover, you can also read the following articles to get an idea about GATE Exam.

[List of 40+ PSUs Recruitment through GATE 2019](#)

[GATE Exam Dates 2019](#)

[GATE Success Story of Souvik Chakraborty](#)

