

GATE Books for 2023 Preparation (CH, CE, EE, ME, ECE)



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Kickstart your GATE 2023 preparation with the help of the most recommended GATE books and study material.



GATE 2023 preparation requires lots of practice. Now, it is important to have information about the GATE books



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relevant enough and cover the entire GATE 2023 syllabus. Some of the best books for GATE 2023 preparation include SS Rattan, RS Khurmi, Cormen, Galvin and Hamacher.

GATE 2023 is around five months away. The exam will be conducted by the IIT Kanpur on **February 4, 5, 11 and 12, 2023**, for admission to the [MTech](#), [MArch](#), [MSc](#) and PhD programmes offered at [IITs](#), [NITs](#), [IIITs](#) and CFTIs. The fact that the exam is taken by around 9 lakh candidates makes it important for aspirants to have a well-structured study plan.

GATE 2023 registrations	GATE 2023 exam dates	GATE 2023 admit card
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To begin with, an aspirant needs to figure out whether he/she wants to go for self-study or get enrolled in a coaching institute for better guidance on [GATE preparation 2023](#). Coaching institutes generally provide students with a preparation plan and ensure that the students are well equipped with the right kind of study material. But, when you plan to opt for self-study, it is crucial to make the right choice of GATE books and study material.



[GATE 2023 syllabus](#) will include topics from all the papers based on the offered engineering branches. Some of the popular branches include civil engineering, mechanical engineering, chemical engineering, computer science engineering and electrical engineering. It is crucial for a candidate preparing for GATE 2023 to understand the exam syllabus and equip themselves with the right set of books. Besides GATE books, it is equally important to refer to other study material like mock tests, sample papers and official GATE question papers.

In this article, you will get information on paper wise list of GATE books for 2023, and a bit of information of past years' [GATE question papers](#).

Best GATE Books 2023

Listed below are some of the best books for GATE 2023 preparation. We have listed out GATE books for some of the popular engineering branches including [civil engineering](#), [mechanical engineering](#), [computer science engineering](#), [electronics and communication engineering](#), [electrical engineering](#), [chemical engineering](#), [agricultural engineering](#), [production](#) and industrial engineering and [biotechnology](#) (new entrant in 2020).



GATE Books for Computer Science (CS)

Book	Author
Algorithm	Cormen
Operating System	Galvin
TOC- Theory of Computation	Ullman
Architecture	Hamacher

GATE Books for Agriculture Engineering (AG)

Book	Author
Farm Machinery by Three Authors	(popularly known by this name)
Concept of Agricultural Engineering	Mohanty Das
Soil & Water Conservation	VVN Murty

GATE Books for Electrical Engineering (EE)



Book	Author
Electrical machines	Nagrath, Kothari
Fundamentals of circuits	Alexander, Sadiku
Power Electronics-	P S Bhimbhra

GATE Books for Chemical Engineering (CH)



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Book	Author
Heat Transfer	JP Holman
Principles of Mass Transfer and Separation Processes	BK Dutta
Unit Operations of Chemical Engineering	Mc Cabe -FPM and MO
Introduction to Chemical Engineering Thermodynamics	JM Smith
Essentials of Chemical Reaction Engineering	Fogler
An Insight into Chemical Engineering	M.Subbu
Chemical Engineering For Gate Principles Solved Problems & Objective Type Questions	Ram Prasad

GATE Books for Mechanical Engineering (ME)



Book	Author
Production Engineering	Swadesh Singh
Fluid Mechanics	R.K. Bansal, Frank M.White
Thermodynamics	P.K.Nag
Heat Transfer	Cengel
Theory of Machine (TOM)	R.S Khurmi
Strength of Materials	S.S. Ratan

GATE Books for Civil Engineering (CE)



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Book	Author
Soil mechanics and foundation engineering	Gopal and Ranjan
Highway engineering	Khanna and Justo
Open channel flow and engineering hydrology	K Subramanya
Environment 1 and 2	S K Garg
Steel	Bhavikati
Fluid mechanics	R K Bansal
RCC	Pillai and Menon

GATE Books for Production and Industrial Engineering (PI)



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Book	Author
Heat Transfer	Made Easy Class Notes
Thermodynamics	P.K Nag
Material Science	Made Easy Class Notes & Swadesh Singh
Production	S K Mondal Notes Swadesh Sing
Machine Design	VB Bhandari
Fluid Mechanics and Machinery	Modi & Seth
Refrigeration	Made Easy Class Notes
Strength of Material	Sadhu Singh
Theory of Machine	SS Ratan
IC engine	Mathur Sharma

GATE Books for Electronics and Communication Engineering (ECE)



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Books	Author
Solutions of Network Analysis	GK Publications
Network Analysis	Van Valken Burg
Network Analysis	Soni and Gupta
Engg. Circuit Analysis	Hayt and Kemmerly
Circuit Theory	Chakravarthy
Graph Theory	Narsing Deo (Cutset and Others)
Network Theory	Prof Yoganarasimhan
Electric Circuits	Schaum's Series
Microelectronic Circuits	Sedra and Smith
Electronic Devices Circuits	Boylested and Neshelsky

GATE Books 2023 for other papers



Papers	GATE Books
Bio-Technology	Lehning M Prescott, Eldon John, Lehninger
Information Technology	GATE 2023 Last Year Papers
Paint Technology	PK Nag
Marine Engineering	RK Rajput, RK Bansal,
Instrumentation & Control	Natesan, Mukherjee & Chakrawarthy
Chemical Engineering	Cengel & Boles
Oil Engineering	RK Bansal, RK Rajput
Architecture	The Road Ahead, GATE Architecture
Geology and Geophysics	Complete Master Guide GATE – Amresh Singh

Recommended Study Material for GATE 2023: Previous Year GATE Question Papers

Another best way of preparing for GATE is to practise



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previous papers. The exercise will not only help candidates in understanding the [GATE exam pattern](#) and marking scheme but also help them to know the type of questions asked from the GATE syllabus. Previous year [GATE question papers](#) are easily available online. In addition to the availability of online previous year papers, the aspirants must also solve the [GATE mock test](#). This will help them strengthen their exam preparation.

The GATE question paper carries a total of 65 questions to be answered in 3 hours. The reason why it is important to practice question papers is that it mentally prepares a candidate that he/she has to solve 65 questions in 3 hours.

Generally, aspirants might not really be solving those many questions in 3 hours or even in an entire day. And on the day of the exam when they realize this, their mind is in a fix. The repercussions are silly mistakes and not being able to attempt the entire series of questions.

Prepare for the GATE exam with previous years' question papers & prep guides. Get topper tips & expert advice.

[Download Here](#)



Benefits of solving GATE previous year question papers

- Practising from previous years' papers and mock tests will prepare candidates for the actual exam. It will give candidates a real-time exam day feel
- It will help them analyse their preparation level and the weak areas that can be worked upon
- It will give the aspirants a much-needed boost and instil confidence in them which is an important aspect of complete exam preparation
- Mock tests are a very good course of online study material which helps in improving the speed and accuracy of the aspirants

FAQs regarding GATE Preparation Books

Q. What are some good GATE Preparation books to study Mathematics?

A. Candidates can refer to Higher Engineering Mathematics by Dr BS Grewal, Advanced Engineering Mathematics by Erwin Kreyszig and Advanced Engineering Mathematics by Dr HK Dass.

Q. Is it possible to crack GATE by self-study with



adequate best books?

A. It depends on a student's ability and clarity of concepts. One should join coaching only if it is required. Follow the requisite timetable and apt GATE Preparation books.

Q. Which books should be referred for GATE exam preparation?

A. Candidates must refer to the books that have been preferred by the GATE toppers. They must do an in-depth study of one or two GATE Preparation to score well.

Q. Apart from the questions, what other important material is present in GATE Preparation books?

A. As the students will go through the standard author books, they will find a note given after every topic which needs to be read with care. These short notes help in revising the entire chapter quickly.

Q. There are so many GATE reference books. How do I study them?

A. Students can do group study so that they can understand the concepts better. Also, try to solve questions in as many different ways as possible.

Q. Apart from the best books for GATE, which



material is good for GATE preparation?

A. Students doing self-study, refer to standard preparation books and online resources such as Youtube videos, apps, etc. Previous year question papers are mandatory for GATE preparation.

Q. How many GATE Preparation books should be referred for a subject?

A. Two or three books are sufficient, depending on the subject. Start with one book and then if you have any doubts, then move on to some other book.

Q. Which GATE Preparation book should be referred to study Industrial Engineering?

A. Refer to the Industrial Engineering reference book by Banga & Sharma.

Q. Which GATE reference book should be referred to study Manufacturing Engineering?

A. Candidates can refer to the Production Engineering reference book by R. K. Jain and Manufacturing Science by A.K. Ghosh.

Q. Which GATE Preparation book should be referred to study Fluid Mechanics and Hydraulic Machines?

A. Candidates can refer to the Fluid Mechanics reference



book by different authors like A K Jain, Schaum's series and K Z Schaffer.

Also read:

- [GATE 2023 Eligibility Criteria](#)
- [Zone wise list of GATE 2023 exam centres](#)
- [IITs in India: Courses, Seats and Cut Offs](#)
- [NITs in India: Courses, Seats and Cut Offs](#)
- [IIITs in India: Courses, Seats and Cut Offs](#)

