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## Recommended Books for Engineering Mathematics in GATE 2019

Engineering Mathematics, as a subject, is very much relevant to the GATE exam as the weightage given to this subject has been consistent over the years in comparison to other subjects. You can find that the weightage of this subject is around 15 marks every year. Moreover, it is easy to score the maximum in Engineering Mathematics as compared to other subjects. This article gives you a list of Books for Engineering Mathematics in [GATE](#) that you are advised to refer to. Engineering Mathematics combined with General Aptitude is the most scoring sections of GATE Exam. Preparing well for these sections is crucial in your to get admission in an IIT, IISc or PSU.

Firstly, you have to go through the complete GATE syllabus. Thereafter, you will require study material that enhances your preparation. Here we are giving you **Recommended Books for Engineering Mathematics 2019**. The GATE 2019 Exam will be conducted by IIT Guwahati and is scheduled on the first & second weekends of February 2019. You can visit the [official website](#) for further information.

### GATE Engineering Mathematics Syllabus

The syllabus for Engineering Mathematics has been same over the years. You have to solve last 15 years Question Papers as the exam pattern will be the same. If you solve these previous years papers, you will definitely come across 2-3 questions of the similar pattern in every exam. Since this Section consists of 15 marks, you can score well and raise your overall score.

Given below is the GATE Engineering Mathematics Syllabus for different streams.



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**CS:** Linear Algebra, Calculus, Probability and Statistics, Discrete methods.

**CE:** Linear Algebra, Calculus, Probability and Statistics, Numerical Methods, Ordinary Differential Equations, Partial Differential Equations (PDE).

**ME:** Linear Algebra, Calculus, Probability and Statistics, Numerical Methods, Complex Variables, Differential Equations.

**EE:** Linear Algebra, Calculus, Probability and Statistics, Numerical Methods, Complex Variables, Differential Equation, Transform Theory.

**EC:** Linear Algebra, Calculus, Probability and Statistics, Numerical Methods, Complex Analysis, Differential Equation, Vector Analysis.

Linear Algebra, Calculus and Probability & Statistics, are three common topics in Engineering Mathematics across all branches.

### **Common Recommended Books for Engineering Mathematics in GATE**

Given below are the recommended books for Engineering Mathematics in GATE

<b>Books</b>	<b>Authors</b>
Higher Engineering Mathematics	B.S Grewal
Advanced Engineering Mathematics	Erwin Kreyszig
GATE Engineering Mathematics for all Streams	Arihant Publications
GATE Engineering Mathematics	Made Easy Publications

The above books are generic. They cater to almost every branch. However, as the syllabus of Engineering Mathematics is different for each branch, you are advised to refer additional reference books depending on your core subject.



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Given below is the list of additional books for GATE Engineering Mathematics based on your stream.

### **Additional Recommended Books for Engineering Mathematics in GATE Computer Science (CS)**

1. **Discrete Mathematics:** Seymour Lipschutz & Marc Lars Lipson.
2. **Discrete Mathematics and Its Applications:** Kenneth H. Rosen.
3. **Graph Theory with Applications to Engineering and Computer Science:** Narsingh Deo.

### **Additional Recommended Books for Engineering Mathematics in GATE Civil Engineering (CE)**

1. **Ordinary Differential Equations:** MD Raising Lumina, Golden series-NP Bali.
2. **Partial Differential Equations:** Singhanian.
3. **Numerical Analysis:** S.S Sastry

### **Additional Recommended Books for Engineering Mathematics in GATE Mechanical Engineering (ME)**

1. **Complex Analysis:** GK Ranganath.
2. **Complex Analysis:** Schaum Series or J N Sharma.
3. **Numerical Analysis:** S.S Sastry.
4. **Differential Equations:** Schaum Series (Frank Ayres).

### **Additional Recommended Books for Engineering Mathematics in GATE Electrical Engineering (EE)**



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1. **Complex Analysis:** Schaum Series or J N Sharma.
2. **Numerical Analysis:** S.S Sastry.
3. **Differential Equations:** Schaum Series (Frank Ayres)

### **Additional Recommended Books for Engineering Mathematics in GATE Electronics & Communications (EC)**

1. **Complex Analysis:** Schaum Series or J N Sharma.
2. **Numerical Analysis:** S.S Sastry.
3. **Differential Equations:** Schaum Series.
4. **Vector analysis:** Shanti Narayan.
5. **Algebra:** K C Prasad, K B Datta.

*Like Recommended Books for Engineering Mathematics in GATE? Also, read:*

<a href="#">Books for General Aptitude for GATE 2019</a>	<a href="#">Important Books for Computer Science 2019</a>
<a href="#">GATE Exam Dates Announced for 2019</a>	<a href="#">GATE Success Story of Souvik Chakraborty</a>

*As we all know, practice is the key to success. Therefore, boost your preparation by starting your practice now.*

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You can also go on Testbook Discuss and see what your fellow candidates of GATE are talking about. Moreover, you can ask all your doubts there which our GATE experts will answer.

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