

# GATE SOLUTIONS

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CIVIL ENGINEERING

From (1987 - 2016)



**Regd. office :** F-126, (Lower Basement), Katwaria Sarai, New Delhi-110016 • **Phone :** 011-41013406

**Mobile :** 8010009955, 9711853908 • **E-mail:** ies\_master@yahoo.co.in, info@iesmaster.org

# PREFACE

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It is an immense pleasure to present the topic wise previous years solved paper of GATE Exam. This booklet has come out after long observation and detailed interaction with the student preparing for the exam and includes detailed explanations to all questions. The approach has been to provide the explanation in such a way that just by going through the solutions student could be able to understand the basic concepts and could apply these concepts in solving other questions that might be asked in the future exams.

GATE exam now a days has become all the more important because it not only opens the door for higher education in institutes like IIT, IISc, NIT's but also many of the PSUs have started inducting students on the basis of GATE score. Some of the PSUs which are not inducting through GATE route, have been asking questions in the exams from GATE previous year papers. Thus availability of authentic solutions to the students is the need of the day. Towards this end this booklet becomes indispensable.

I am thankful to IES master team without whose support, I don't think, this book could have been flawlessly produced.

Every care has been taken to bring an error free book. However comments for future improvement are most welcome.

**Kanchan Kumar Thakur**  
Director Ex-IES

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