



GATE and PGECET

for

Computer Science and Information Technology

**Useful for Campus Recruitments, UGC-NET
and Competitive Examinations—ISRO,
DRDO, HAL, BARC, ONGC, NTPC, RRB,
BHEL, MTNL, GAIL and Others**

28 Years' GATE Topic-wise Problems and Solutions



Dasaradh Ramaiah K.

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28 Years' GATE Topic-wise Problems and Solutions

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GATE AND PGCET FOR COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

Dasaradh Ramaiah K.

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To

Sri. K.V. VISHNU RAJU

Chairman of Sri Vishnu Educational Society

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Preface

The number of aspirants appearing for the GATE/PGECET/PSU examination is increasing significantly every year, prompted by the multiple opportunities open to the students who perform well in the examination.

Apart from giving the aspirant a chance to pursue an M.Tech from the hallowed portals of IITs/NITs and such other institutes, a good GATE score can be instrumental in landing a candidate a plush public sector job, as many PSUs are nowadays recruiting graduate engineers on the basis of their performance in GATE examination.

The GATE/PGECET examination tests the proficiency of the candidate in the areas of

- Engineering stream a candidate has opted for
- Engineering mathematics
- General aptitude, involving numerical ability as well as verbal ability

Although there is no dearth of books in the market for some of these areas, what all aspirants need is the book which can address all the aspects of their preparation for the GATE examination. My book for GATE preparation in the streams of computer science and engineering and information technology has been designed to fulfill this requirement and to help the candidate in performing well in what is, arguably, one of the toughest examinations in the country.

For nearly twelve years, I have been training the students appearing for GATE/PGECET/PSU and other competitive examinations across the country. Apart from these mentioned examinations, I train graduates for national level entry examinations like recruitment and competitive examinations of ONGC, NTPC, RRB, UGC-NET, BHEL, HAL, DRDO, MTNL, GAIL, etc.

What adds up is a lot of experience in understanding the needs of the students as well as preparing study materials in a variety of areas and for a variety of selection processes.

The book comprises the flow of topics arranged in such a way so that the candidates grab the advanced concepts once he/she solves adequate number of problems based on the fundamental concepts which precede them. The strength of the book is the inclusion of stepwise solution to each question asked in the previous years' examinations from 1987 to 2014. Besides, the book also provides two sample papers for GATE 2015 along with answer keys to help students to prepare for the exam.

The GATE/PGECET/PSU examination is one that has undergone changes over the years—sometimes apparent, sometimes subtle. It is bound to continue to do so with the changing technological environment. What this means is that aspirants should be ready with the conceptual understanding and ability to apply these concepts to solve the questions, rather than having just proficiency in the question types.

That is the objective the question banks serve. In competitive examinations, the questions are designed in such a manner that they not only test the conceptual understanding of the students but also test their ability to apply the concepts correctly to the situation described in the problem.

This book covering the question banks which give adequate focus on all the aspects of the GATE syllabus will be very helpful to the aspirants preparing for GATE, as the questions are designed to test the candidate's preparedness for the examination on multiple fronts—concepts, applications, problem solving etc.

I hope this book will prove to be a great aid to all the GATE/PGECET/PSU aspirants so that they give their best in the GATE/PGECET/PSU examination, using the information given in the book.

Dasaradh Ramaiah K.

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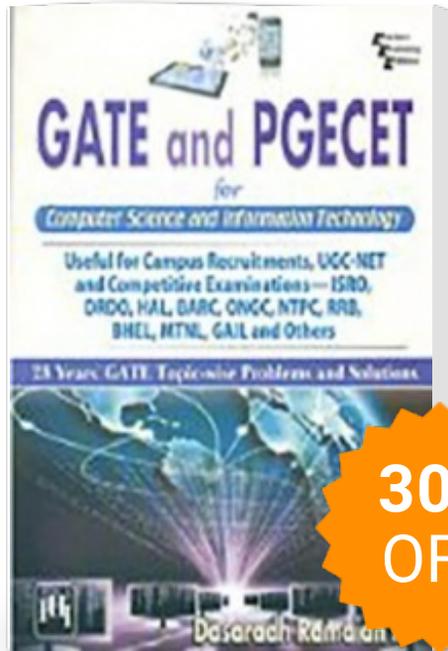
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