
**Objective Type and Conventional
Questions and Answers
on
CIVIL ENGINEERING
for
*All Types of Examinations & Interviews***

[U.P.S.C. Engineering Services Examination, U.P.S.C. Civil Services (I.A.S.) Examination, Indian Forest Services Examination, GATE Examination, Joint CSIR-UGC Examination for Research Fellowship and Eligibility for Lecturership, C.P.W.D. and other Objective Type Examinations, Interviews etc.]



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CIVIL ENGINEERING

[Conventional and Objective]
with
Multiple Choice Questions and Answers

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Darya Ganj, New Delhi-110002
Phones : 23243042, 27224179; Fax : 23243043
email : khannapublishers@yahoo.in
website : khannapublishers.in

Published by :

Romesh Chander Khanna & Vineet Khanna
for KHANNA PUBLISHERS
2-B, Nath Market, Nai Sarak
Delhi- 110006 (India)

Visit us at : www.khannapublishers.in

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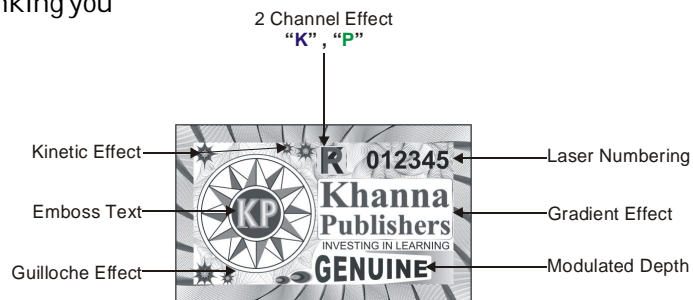
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ISBN No. 978-81-7409-287-9

Twenty Ninth Edition : 2014

To my wife
Smt. SONVATI AGOR

IMPORTANT INFORMATION

U.P.S.C. have introduced Multiple Choice Objective Type Question papers for preliminary examinations for various services. In objective type examinations, candidates are required to choose the best response from several possible answers given for each questions in the test book itself. In no case more than one response for any question need be given, otherwise, the answer for the question will be considered wrong.

The question paper for objective type test is generally in the form of a test booklet which contains items 1, 2, 3, 4 etc. Under each item, a maximum of five possible answers are listed in the form of (a), (b), (c), etc. Separate answers sheets in which items 1, 2, 3, 4, (a), (b), (c), etc. are printed, are supplied to the candidates. After the candidate has read each item of the test booklet and has selected its most suitable response, he is only required to fill the respective circle against the item under the correct response with the help of a black H.B. Pencil. *The candidates must note that the circles of the response not filled with ink under any circumstances.* If any wrong marking is required to be scored out, it should be completely erased by a good quality eraser and the rectangle for the correct response filled.

While attempting a multiple choice type question paper, candidates must be very quick and accurate in the selection of large number correct response in a limited time. They should, therefore, work steadily, rapidly and attentively. In first reading of the question paper, difficult questions, if any may be skipped over without wasting time and should choose their correct responses later if time permits. All questions need be attempted. Marks are awarded only for correct responses by a computer.

PREFACE TO THE TWENTY EIGHTH EDITION

The author feels great pleasure in presenting a thoroughly revised, edited and enlarged edition of this treatise, “**Objective Type and Conventional Solved Questions with Synopses**” in Civil Engineering. It has been an endeavor of the U.P.S.C. to modify the methods of examination for selecting the most suitable candidates to various types of senior posts in Central Government. Keeping in view these modifications, the author has always abreast the most suitable techniques for the guidance of the candidates.

The present edition of the treatise in its revised format consists of the following parts:

Part-I : Multiple Choice Objective Type Questions

Part- II : Classified Important/Typical Questions of U.P.S.C., Civil Services/Engineering Services Examinations, GATE Examinations

Part-III : Synopses, Conventional and Important Typical Numerical Questions on various topics from U.P.S.C., Civil Service/Engineering Services Examinations and GATE Examinations.

Part IV : Short Questions and Answers, containing 12 important and major topics in Civil Engineering.

This updated treatise is most suitable for the following examinations:

- U.P.S.C. Engineering Services examinations (Preliminary and Mains)
- U.P.S.C. Civil Services (I.A.S) Examinations (Mains)
- State Engineering Services Examinations
- Indian Forest Service Examination
- Graduate Aptitude Test Engineering (GATE) Examination
- Assistant Engineering (C.P.W.D.), Limited Departmental competitive Examination
- Junior Engineering (C.P.W.D.), P.W.D., P&T and Railways) Examinations and Interviews

The author shall be grateful to the readers for the suggestions and criticisms for the improvement of next edition of this treatise. He is also grateful to M/s Khanna Publishers, New Delhi for extending full cooperation for early publication of this edition in new format.

September, 2012

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PREFACE TO THE FIRST EDITION

I feel great pleasure in presenting this book to familiarise the students preparing for Engineering Services Examinations with multiple choice type questions in Civil Engineering. U.P.S.C. have recently introduced preliminary examinations to screen the candidates through objective type questions. Though, a large number of text and guide books on Civil Engineering are available for the preparation of essay type questions, it has been attempted to present over thousand multiple choice questions in seven subjects of Civil Engineering for the guidance of students to meet the requirements of different examining bodies. Thus, this book is primarily written for the competitive examinations and it is not intended to teach the subject of Civil Engineering. However, it may be found useful for Lecturers of Engineering Colleges and Polytechnics in getting a help for framing objective type multiple choice questions papers for their students.

It is hoped that students will find the book useful to prepare themselves in attempting multiple choice questions. Though all efforts have been made to avoid mistakes, a few mistakes might have occurred due to over sight. Suggestions and criticism for the improvement of this guide book, shall gratefully be acknowledged.

The author is very grateful to Shri Romesh Chandra Khanna for rendering his valuable suggestions and early publication of this book.

—R. Agor

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TwentyNineth Edition : 2014

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TwentyNineth Edition : 2014

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with
Multiple Choice Objective Type Questions**

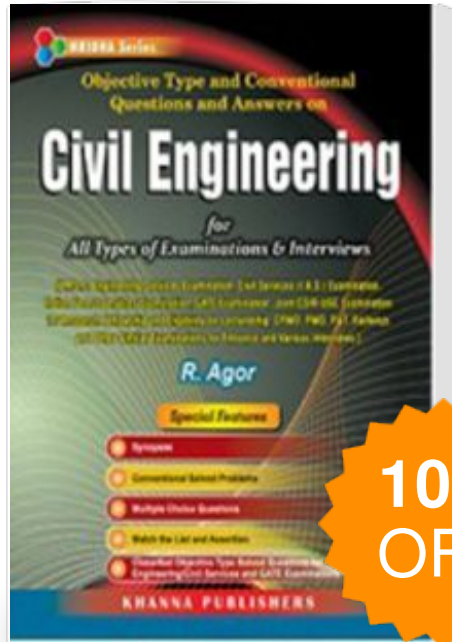
Part—I

Multiple Choice Objective Type Questions

PART-I

**OBJECTIVE TYPE
QUESTIONS & ANSWERS**

Civil Engineering (Objective Type And Conventional Questions And Answers)



Publisher : KHANNA
PUBLISHERS

ISBN : 9788174092748

Author : R. Agor

Type the URL : <http://www.kopykitab.com/product/22300>



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