Dedication

This work is dedicated to the inner knowledge,

The fire of which kindles human mind to seek the truth,

The power of which quenches the human mind of its thirst.

Acknowledgements

The basic support for human endeavors is derived from the environment available for the accomplishing the work. I thank my family members for providing me such a comfortable family environment, which provided me just the requisite level of time cushion needed to carry on my work.

This book is the result of my necessity to prepare course material in the form of multiple choice questions to cover the entire syllabus of Draughtsman (CIVIL). The role of my trainees as the first recipients of the concoction called multiple choice questions and their input regarding the need to modify some harshly worded questions and answers was highly useful to the improvement of the manuscript.

I record my sincere and heartfelt thanks to Computech Publications, New Delhi, who have granted immortality to my class notes. The expertise, speed and keen editorial skills of Mr. Anil Mehta of Computech Publications made it possible to bring out a good looking book out of the arcane tools I used for preparation of the original manuscript.

Preface

This book covers the latest syllabus prescribed by the mentor council of the Directorate General of Training for Draughtsman (CIVIL) trade.

The format of the book is 1 question with 4 alternate answers, which is in tune with the latest Optical Mark Recognition (OMR) based examination pattern of the Directorate General of Training. Although a question bank is only supplementary to the descriptive version of book, care was taken not to omit any portion of the syllabus in the question bank. This is to ensure that the examination does not throw too many surprise questions to the trainees.

Draughtsman (CIVIL) is a unique trade in the system of Craftsman Training. It introduces the trainees to a wide gamut of knowledge ranging from trivial sand and water to hi-tech realms of computers and CAD. The skills imparted through the course are a welcome asset to start the professional life of a technician in Civil Engineering.

This book on multiple choice questions in Draughtsman (CIVIL) trade covers syllabus under semester system.

The third semester portion covers reinforcement detailing, steel structures, public health engineering, roads, bridges and railways.

The fourth semester introduces irrigation engineering, estimating and costing, electrical wiring and surveying. Estimating is highly essential during the career of a Civil Engineer. The survey instruments introduced to the trainee include auto level, digital theodolite, total station and Global Positioning System (GPS) user module. All these instruments are state of the art in the survey industry and provide one of the most valuable skill sets for starting a career in surveying.

–Author

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Exam Papers (with Key)