



BUILDING CONSTRUCTION

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ABOUT THE BOOK

This well-known text-book provides an up-to-date account of the basic knowledge of Building Construction. The subject matter is expressed in a simple language and practical manner. The treatment is clear, methodical as well as interesting and easy to follow.

The entire subject matter is systematically arranged in the chapters like: Introduction; Functional Planning of Buildings; Important Building Components; Site Investigation and Ground Techniques; Foundations; Deep Excavations; Deep Foundations (Pile Foundations); Cofferdams; Caissons; Stone Masonry; Brick Masonry; Structures in Brickwork; Partitions; Scaffolding, Shoring and Underpinning; Damp-proofing, Water-proofing and Termite-proofing; Cement Concrete Construction; Arches; Lintels; Stairs; Formwork; Doors, Windows and Ventilators; Carpentry and Joinery; Floors and Flooring; Roofs; Pointing and Plastering; Painting, Varnishing and Distemping etc.; Structural Steelwork; Acoustics; Fire Protection in Buildings; Ventilation and Air-conditioning; Construction Equipments; CPM and PERT.

Part 1 and Part 2 of this book is merged and all the chapters are rearranged to maintain continuity. The chapters Introduction, Functional Planning of Buildings and Important Building Components are totally new and are included as per new syllabus. Also chapter of Site investigation and ground techniques is separated from the chapter of Foundation. In the chapter of Construction Equipments, almost all the types of construction equipments and machineries which are normally used in civil engineering projects have been included. A few new problems on CPM and PERT are also added.

The book in its 32 chapters now contains:

- * **860 Self-explanatory and neatly drawn sketches**
- * **115 Useful tables**
- * **60 Solved problems**
- * **575 Questions at the ends of all the chapters.**

The book should prove to be extremely useful to the Engineering students preparing for the Degree Examinations of all the Indian Universities, Diploma Examinations conducted by various Boards of Technical Education, Certificate Courses as well as for the A.M.I.E., U.P.S.C., G.A.T.E., I.E.S. and other similar competitive and professional examinations. It is also useful for the preparation of NATA (National Aptitude Test for Architecture), CEPT (Centre for Environmental Planning and Technology), SBST (School of Building Science and Technology), SID (School of Interior Design), AIEEE (Architecture), etc. It should also prove of interest to the practising professionals.

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