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Reinforced Concrete Design (Third Edition)

By S.N. Sinha

Tata McGraw-Hill Education Pvt. Ltd, 2014. Softcover. Book Condition: New. 3rd edition. The primary objective of this book is to furnish basic concepts, behaviour, design and reinforcement detailing of various reinforced concrete structural elements. This edition has been thoroughly upgraded and enlarged with latest developments. Most of the figures have also been upgraded and some additional figures have been added for enhanced understanding. Salient Features ? Basic assumptions, fundamental theories, concept and design of structural elements subjected to flexure, shear, torsion, axial force and their combination ? Provision of earthquake resistance design and reinforcement detailing of reinforced concrete beams and columns ? Concrete mix design including self compaction concrete Contents: 1. Reinforced Concrete Materials 2. Design Concept 3. Flexure 4. Shear, Torsion and Bond 5. Serviceability Requirements 6. Beams 7. Slabs 8. Staircase 9. Columns 10. Retaining Walls 11. Foundation Appendix A Dead Weight of Materials Appendix B Live Loads on Floors and Roofs Appendix C Maximum Bending Moments and Reactions in Beams Appendix D Area and Perimeter of Standard Bars Appendix E SI Conversion Factors Appendix F Selected References Printed Pages: 760.



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