

CONTENTS:

Part 1: Working Stress Method

1. Introduction
 2. Theory of reinforced beams and Slabs
 3. Shear and bond
 4. Torsion
 5. Doubly reinforced beams
 6. T and L-Beams
 7. Design of beams and Slabs
 8. Design of stair cases
 9. Reinforced brick and hollow tile roofs
 10. Two-way slabs
 11. Circular slabs
 12. Flat slabs
 13. Axially loaded columns
 14. Combined direct and bending stresses
 15. Continuous and isolated footings
 16. Combined footings
 17. Pile foundations
 18. Retaining Walls
- ### Part 11: Water Tanks
19. Domes
 20. Beams curved in plan
 21. Water tanks-1 Simple cases
 22. Water tanks-11 Circular & INTZE Tanks
 23. Water tanks-111: Rectangular tanks
 24. Water tanks-IV: Underground tanks
- ### Part 111: Miscellaneous Structures
25. Reinforced concrete pipes
 26. Bunkers and silos
 27. Chimneys
 28. Portal frames
 29. Building frames
- ### Part IV: Concrete Bridges
30. Aqueducts and box culverts
 31. Concrete Bridges
- ### Part V: Limit State Design
32. Design concepts
 33. Singly reinforced section
 34. Doubly reinforced sections
 35. T and L-Beams
 36. Shear bond and torsion

- 37.Design of beams and slabs
- 38.Axially loaded columns
- 39.Columns with Uniaxial and Biaxial bending
- 40.Design of stair cases
- 41.Two way slabs
- 42.Circular slabs
- 43.Yield Line theory and design of slabs
- 44FOUNDATIONS Part IV: Prestressed concrete and Miscellaneous Topics
- 45.Prestressed concrete
- 46.Shrinkage and creep
- 47.Form-Work
- 48.Tests for cement and concrete