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## Strength of Materials: (Mechanics of Solids) SI Units

## By R.S. Khurmi

S. Chand & Company Ltd., 2016. Softcover. Book Condition: New. 5th or later edition. 17 x 24 cm. CONTENTS: I. INTRODUCTION : 1. Definition 2. Fundamental Units 3. Derived Units 4. Systems of Units 5. S.I. Units (International Systems of Units) 6. Metre 7. Kilogram 8. Second 9. Presentation of Units and Their Values 10. Rules for S.I. Units 11. Useful Data 12. Algebra 13. Trigonometry 14. Differential Calculus 15. Integral Calculus 16. Scalar Quantities 17. Vector Quantities 18. Force 19. Resultant Force 20. Composition of Forces 21. Parallelogram Law of Forces 22. Triangle Law of Forces 23. Polygon Law of Forces 24. Moment of a Force II. SIMPLE STRESSES AND STRAINS : 1. Introduction 2. Elasticity 3. Stress 4. Strain 5. Types of Stresses 6. Tensile Stress 7. Compressive Stress 8. Elastic Limit 9. Hooke`s Law 10. Modulus of Elasticity (or Young`s Modulus) 11. Deformation of a Body Due to Force Acting on it 12. Deformation of a Body Due to Self Weight 13. Principle of Superposition III. STRESSES AND STRAINS IN BARS OF VARYING SECTIONS : 1. Introduction 2. Types of Bars of Varying Sections 3. Stresses in the Bars of Different Sections 4. Stresses in the Bars...



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