



## Materials Science and Engineering (Paperback)

By G. S. Sawhney

I K International Publishing House Pvt. Ltd, India, 2014. Paperback. Condition: New. Language: N/A. Brand New Book. The book presents the structural or constitutional details of different materials which lead to differences in their behaviour and their properties, such as physical, mechanical, chemical, electrical, thermal and magnetic. The text includes atomic models and bondings, crystallography and imperfections, mechanical properties and testing, phase diagrams and equilibrium diagrams, ferrous and non-ferrous materials, heat treatments, magnetic properties, electric properties, ceramics, plastics, optical and thermal materials including concrete and composite materials, fracture and fatigue, corrosion and its control. Written in question-answer format the book is precise and easy to understand. Key features: Provides succinct coverage of materials science. Written in question-answer format to help students understand the underlying concepts quickly. Includes a large number of worked problems to help students to understand the subject matter.



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