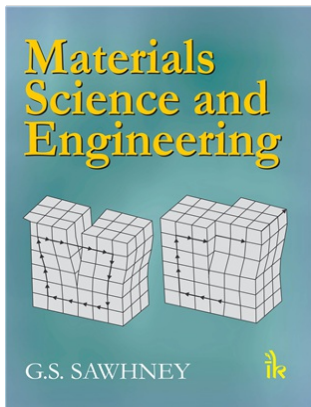


Materials Science and Engineering, 1/e

G.S. Sawhney



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About the Book

The book presents the structural or constitutional details of different materials which lead to differences in their behavior and their properties such as physical, mechanical, chemical, electrical, thermal and magnetic properties. 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

Salient Features

- ▶ Provides succinct coverage of the subject of Materials Science.
- ▶ Written in question-answer format with relevant questions asked in various universities, there by helping students to understand the underlying concepts quickly and to the point.
- ▶ Includes a large number of worked problems to help the students to understand the subject matter.

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About the Author

G.S. Sawhney :- has served as Professor and Head, Department of Mechanical Engineering, GNIT Greater Noida. Earlier he was at Lord Krishna College of Engineering, Ghaziabad in the same capacity. Prior to joining teaching, he had served for 28 years in the Corps of Engineers and for 10 years in industry. His other books published by I.K. International Pvt. Ltd. are:

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