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Sommario/riassunto	About the Book: The book has been designed to cover all relevant topics in B.E. (Mechanical/Metallurgy/Material Science/Production

Engineering), M.Sc. (Material Science), B.Sc. (Honours), M.Sc. (Physics), M.Sc. (Chemistry), AMIE and Diploma students. Students appearing for GATE, UPSC, NET, SLET and other entrance examinations will also find book quite useful. In Nineteen Chapters, the book deals with atomic structure, the structure of solids; crystal defects; chemical bonding; diffusion in solids; mechanical properties and tests of materials; alloys, phase diagrams and phase transformation