A Text Book Of Thermal Engineering By R S Khurmi And J K Gupta PATCHED

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A Review of A Text Book Of Thermal Engineering By R S Khurmi And J K Gupta

A Text Book Of Thermal Engineering By R S Khurmi And J K Gupta is a comprehensive textbook that covers all the theories and concepts of thermal engineering for mechanical engineering students. The book has been updated and revised to reflect the latest developments and trends in the field of thermal engineering. The book is divided into 40 chapters that cover topics such as properties of perfect gases, thermodynamic air cycles, formation and properties of steam, entropy of steam, thermodynamic processes of vapour, thermodynamic vapour cycles, fuels, combustion of fuels, steam boilers, boiler mountings and accessories, performance of steam boilers, boiler draught, simple steam engines, compound steam engines, performance of steam engines, steam condensers, steam nozzles, impulse turbines, reaction turbines, performance of steam turbines, modern steam turbines, internal combustion engines, testing of internal combustion engines, reciprocating air compressors, rotary air compressors, performance of air compressors, air motors, gas turbines, performance of gas turbines, introduction to heat transfer, air refrigeration cycles, vapour compression refrigeration systems, psychrometry, air conditioning systems, general thermodynamic relations and variable specific heat.

The book is written in a clear and concise manner with numerous solved examples and chapter-end exercises and questions to help the students understand and apply the concepts learned. The book also provides steam tables and charts for reference. The book is suitable for undergraduate students of mechanical engineering as well as for those preparing for competitive examinations such as GATE and IES. The book is one of the most sought after texts by the students and teachers of thermal engineering for close to 40 years.

The book is available in both SI units and English units editions. The book can be purchased online from various platforms such as Google Play Books[^3^], Google Books[^1^] [^2^] and S. Chand Publishing[^1^] [^2^]. The book has received positive reviews from the readers who have praised the book for its comprehensive coverage, clarity of presentation and usefulness for exam preparation.

One of the main features of the book is its extensive use of diagrams and illustrations to explain the various concepts and processes of thermal engineering. The book also provides step-by-step solutions to the numerical problems and derivations of the important formulas and equations. The book follows a logical and systematic approach to the topics and covers them in depth and detail. The book also includes appendices that provide additional information on topics such as units and dimensions, conversion factors, gas constants, specific heats and enthalpies of various substances.

The book is designed to help the students develop a sound understanding of the fundamentals and principles of thermal engineering and apply them to solve practical problems. The book also helps the students to prepare for the examinations by providing objective type questions, theoretical questions and unsolved numerical problems at the end of each chapter. The book also provides hints and answers to some of the questions for reference. The book is updated regularly to incorporate the latest changes and developments in the field of thermal engineering.

The book is written by R S Khurmi and J K Gupta, who are well-known authors of engineering textbooks. R S Khurmi has written more than 20 books on various subjects such as machine design, strength of materials, theory of machines, refrigeration and air conditioning, fluid mechanics and hydraulic machines. He has also received several awards and honors for his contribution to engineering education. J K Gupta has written more than 15 books on subjects such as engineering mechanics, engineering materials, engineering mathematics, basic electrical engineering and basic electronics. He has also been involved in teaching and research in various engineering colleges and universities.

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