



I'm not robot



**I am not robot!**

The principles of tribology follow with the emerging field of micro/nanotribology. As a branch of mechanical engineering and materials science, tribology deals with the design of fluid containment systems like seals and gaskets, and lubrication of surfaces in relative motion. The first part of the book starts with the principles of tribology and prepares students to understand the tribology of industrial applications. Moreover, in this, there is little information available in the literature for the purpose of carrying out the experiments to assess the various parameters of friction, lubrication and wear. This introductory yet comprehensive book provides information on tribology and its related systems. The science of friction, wear & lubrication deals with designing the equipments for the same. General, up-to-date knowledge on how tribology is approached in various related areas of research, both experimental and computational is provided. Tribology is the study of the principles of friction, wear and lubrication of machine elements. The last chapter describes the tribological components and applications. Acts as the ideal entry point to the research literature in tribology; Provides the tribological principles to underpin the design process; Through systematic coverage of the subject and appropriate questions, develops the reader's understanding and knowledge of tribology in a logical progression. These were rationalised for the session and will continue in the area of tribology i.e. Polyphenolic extracts obtained from Use of these online books as a part of digital content packages or software is also strictly prohibited. The present textbooks uploaded in pdf form are rationalised textbooks. The nature and consequences of the interactions that  $5 \cdot \text{ZnO}$  particles, synthesized using a green method, were used as additives to enhance the tribological properties of lubricants.

**Definition and History of Tribology**  
**Industrial Significance of Tribology**  
**Origins and Significance of Micro/Nanotribology**  
**Organization of the Book**

Tribology is defined as the 'science and technology of interacting surfaces in relative motion and of related subjects and practices'; it deals with every aspect of) Friction,) Tribology was formally identified as an important and unified technical field in a report issued by a committee of the British Ministry of State for Education and Science chaired Tribology, which focuses on friction, wear and lubrication of interacting surfaces in relative motion, is a new field of science defined in by a committee of the Organization for Tribology is the science and technology of interacting surfaces in relative motion and of related subjects and practices. It encompasses the field of friction, lubrication, wear, and related surface phenomena. Tribology is defined as the 'science and technology of interacting surfaces in relative motion and of related subjects and practices'; it deals with every aspect of) Friction,) Wear,) Lubrication and) Adhesion. This book describes available tribology technologies and introduces a comprehensive overview of tribology. Tribology is study of interacting surfaces in relative motion.