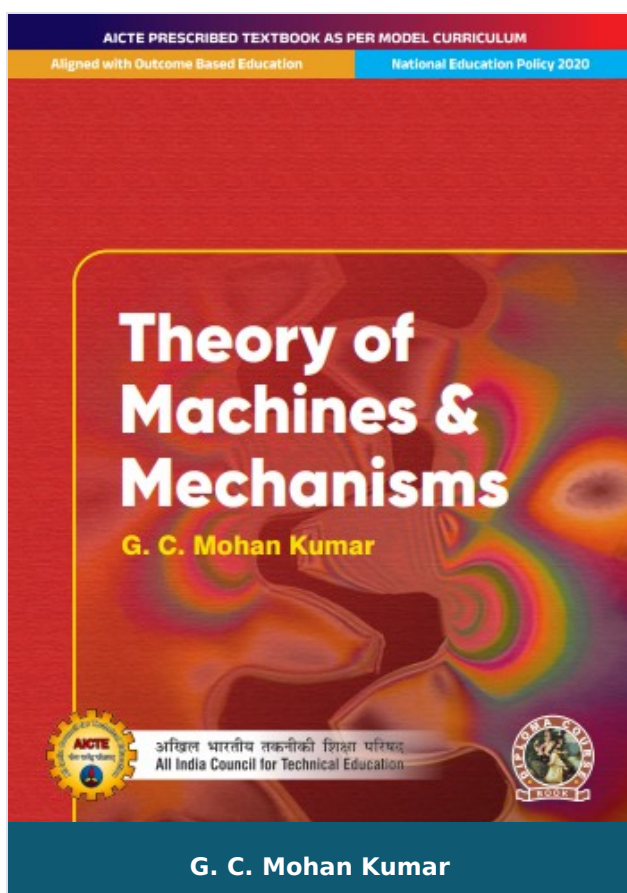




Theory of Machines & Mechanisms

Author : G. C. Mohan Kumar

ISBN 13 : 978-93-55389-74-9

ISBN 10 : 9355389744

E-ISBN 13 : 978-93-55389-74-9

Edition : First

Pages : 212

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 392.00

Categories : [English Books](#), [Book Store](#), [AICTE Prescribed Textbooks](#)

Condition Type : New

Country Origin : India

Product Description

Theory of Machines & Mechanisms

The course Theory of Machines & Mechanisms provides a basic knowledge of the principle of working of mechanical elements and explores through examples and solved problems. The course is presented in five units. Units 1 deals with the Cams and followers; Unit 2 power Transmission elements like belts, gears, and chains; Unit 3 covers flywheels and governors; Unit 4 Brakes and dynamometers; and Unit 5 deals with balancing of revolving masses and vibrations. All unit in the book gives the objectives of the study and expectations from the students in exercising OBE. The working principle of each mechanical element, derivation, and numerical problem made the reader understand the course effectively.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, programs, outcomes and unit outcomes.
- Both the student and teacher-centric subject materials are included in the book in a balanced and chronological manner.
- All figures, tables, and others are inserted to improve the clarity of the topic.
- Discussion on each unit helps the overall view of the chapter and helps in answering short questions and objective questions.
- The book provides a lot of information and QR codes for E-resources/
- Descriptions with solved numerical problems are the basics for the course design of machine Elements and, therefore, presented in a systemic way.

Table Of Contents

- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Tables
- CAMS AND FOLLOWERS
- POWER TRANSMISSION
- FLYWHEEL AND GOVERNORS
- BRAKES, DYNAMOMETERS, CLUTCHES & BEARINGS
- BALANCING & VIBRATIONS
- Unit Summary
- Multiple Choice Questions
- Answers to Multiple Choice Questions
- Exercises
- Experiment
- Know More
- Bibliography
- References For Further Learning
- CO And PO Attainment Table

- Index

Author

G. C. Mohan Kumar

Prof. G. C. Mohan Kumar Professor (HAG), Dept. of Mechanical Engineering National Institute of Technology Karnataka, Surathkal