



HEAT AND THERMODYNAMICS

Dr. Devidas k. Kendre

Heat and Thermodynamics

Published by
RAKESH BOOK SERVICE

Publishers & Distributors

4378/4B, J.M.D. House Room No-306 Murari Lai Street
Ansari Road, Daryaganj, New Delhi-110002
Mob : 9811131636, 011-23241427
Email : rakeshbookservice@gmail.com

Copyright : © Author

First Edition, 2018

ISBN : 978-93-84998-77-6

Price: 995/-

All rights reserved.

*No part of this book may be reproduced in any form or by
any means without written permission of the publisher. (All
enquiries to be made to the Author*

PRINTED IN INDIA

**Published and Printed by Rakesh Book Service,
New Delhi-110002**

Contents

<i>Preface</i>	v
1. Introduction	1
2. Thermodynamics of Learning	15
3. Thermometer	31
4. Rankine Scale	57
5. Transport Phenomena	68
6. Real Gases and their Behaviour	96
7. Viscosity of Gases	104
8. Thermal Conductivity	
112	
9. Diffusion	126
10. Heat and Thermodynamics	139
11. Thermal Expansion and the Gas Law	150
12. Kinetic Theory of Gases	173
13. Thermodynamics and Statistical Mechanics	191
14. Developments of Thermodynamics	220
Bibliography	243
Index	247



RAKESH BOOK SERVICE

Publishers & Distributors

4378/4B, J M D House Room No. 306

Murari Lal Street, Ansari Road,

Daryaganj, New Delhi- 110002,

Mob:- 9811131636, 011- 23241427

Email- rakeshbookservice@gmail.com

Price ₹ 995.00

978-93-84998-77-6



9 789384 998776