

## **Title: Handbook of Biomedical Instrumentation**

**Author:** RS Khandpur, Hardcover Book

**Publishers:** Tata McGraw Hill Education Private Limited

**ISBN:** 10:0-07-047355-2

**Cost:** Rs 450/-

This second Edition of Handbook of Biomedical Instrumentation is the most comprehensive, current textbook on Biomedical Engineering and Instrumentation by an Indian Author. It can be used as a reference book by the Engineering as well as Aerospace Medicine students. The field of biomedical engineering is a fast developing science. Medical practitioners are shifting from the traditional methods of clinical diagnosis and relying heavily on diagnostic methods by medical equipments. There is a need for knowledge about these instruments for use, service and maintenance.

Readers will find comprehensive material with the first few chapters dealing with the basics of Biomedical Engineering. It covers all aspects of instruments used in the varied spectrum of medical practice. The simplified language helps even the medical fraternity who are averse to maths and calculations to understand the mechanics of Biomedical Engineering. It is a guide for researchers in medical technology who are involved in the development of medical instruments and programmes. The current edition keeping in view the technological innovations and the use of modern medical diagnostic equipments has introduced new chapters on: Digital Radiographic equipment, Ventilators, Automated drug delivery systems etc. The book is well written with photographs and graphs for simple understanding.

**Maj KK Dalpati**

**Resident Aerospace Medicine, IAM, IAF**

## **Title: Physiological Basis of Medical Practice**

**Editors:** O P Tandon & Yogesh Tripathi, Paperback

**Publishers:** Lippincott, Williams & Wilkins

**ISBN:** 13-978-81-8473-192-7

**Cost:** 20 USD

This latest iteration of the classical physiologic text by Best & Taylor is focused more on the clinical aspects of physiology. With a clear lucid style and updated data the text offers greater depth of understanding. It highlights the clinical feature behind the various physiological processes. The book also has a large number of flow charts and illustrations which make retention easier. Each chapter is followed by a summary at the end to further drive home the salient feature.

The book brings out occupation specific scenarios like respiration in unusual environments which offer insight in to various scenarios commonly encountered in aviation. The cardio respiratory changes that occur in health and disease are also clearly enunciated. The layout of the book is modern and contemporary making reading and scanning easier. A good overall text for basic and advanced understanding of physiology.

**Maj A Sangwan**

**Resident Aerospace Medicine, IAM, IAF**

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Second Edition Tata McGraw-Hill Publishing Company Limited NEW DELHI McGraw-Hill Offices New Delhi New York St Louis San  
Francisco Auckland Bogotá; Caracas Kuala Lumpur Lisbon London Madrid Mexico City Milan Montreal San Juan Santiago Singapore  
Sydney Tokyo Toronto Information contained in this work has been obtained.Â Preface to the Second Edition I am very happy to  
present before you the second, revised and enlarged edition of my book Handbook of Biomedical Instrumentation.