
The book is a very helpful guide to civil aviation medical examiners and military flight surgeons throughout the world. The book is dedicated to the clinical aspects of aviation medicine, and can be used as a reference in the aeromedical disposition of pilots and other crew.

Three very important aspect of aviation have been specially dwelled upon, i.e. chapters on cardiovascular disease, neurological disease and psychiatric disease. The present edition is very much demilitarised so that the principles could be applied not only to aviation in the armed forces but also to civil aviation.

The first two chapters deal with introduction to the subject and various facets of Internal Medicine. Subsequent chapters deal with Orthopaedics, Neurology, Ophthalmology, Otolaryngology, Cardiology, Genitourinary, Dermatology, Psychiatry and finally Oncology.

The book is especially recommended for all practicing aviation medicine specialists and is a must for reference libraries.


The book is a very helpful guide in demystifying, rationalizing and exemplifying the techniques of electromyography as a useful technique in ergonomic application. The book has tried to put electromyography in an ergonomic perspective.

The book has been organized in a sequence focusing on the application of electromyography in ergonomics. The initial chapters deal with the overview of electromyography in ergonomics with emphasis on necessity, uses, and its limitations. The subsequent chapters elaborate on the physiology of muscle contraction, processing and interpretation of EMG signals, fatigue and its significance to ergonomics, application of electromyographic technology in ergonomics and finally clinical perspective of EMG in ergonomics.

The book helps to reduce possible errors in ergonomics endeavours and is a must for reference libraries.


This book is a review of psychological theory research and practice on decision making in stressful environments and emerging situations. This book focuses on the experienced decision makers who deal with such situation like those in charge of flight decks, fire grounds, emergency

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control centres and warfare operation rooms. There are 28 chapters covering a wide range of perspective and application drawn principally from aviation, the military, high reliability industry and emergency services. The common point of interest lies in the theories and methods of an emerging research field in psychology called NDM (naturalistic decision making). NDM researchers are those who are interested in decision-making in situations characterised by acute stress, high risk, time pressure, uncertain goals, ambiguous information and teamwork.

The book is a result of collected papers from an international conference with the same title held in Aberdeen, Scotland in September 1996. The 28 chapters have been organised thematically into five main sections.


This book is primarily designed to introduce students to first principle and concepts in Biostatistics as well as to develop a critical attitude towards all scientific data, procedures and observations. In the present edition, some new statistical methods, which are currently preferred in clinical practice and public health areas are introduced.

This book contains all essentials of Biostatistics, research methods, demography and health statistics and can help lay a good foundation for anyone interested in these subjects and is hence specially recommended for students.


This book is a description of the medical and technical discipline, which make up "Medical Electronics". This is written primarily to cater to the syllabi of Medical Electronics / Bio Med Engg. Emphasis is laid on the fundamentals than on detailed technical descriptions. Some biomedical knowledge has also been incorporated.

The first few chapters deal with the biophysical and physiological aspects of human cell, CVS, CNS, Muscle action, sensory and motor nerves and finally deals with the basis of biopotentials. The book then deals with the four basic stages of measurements and instrumentation. The subsequent chapters deal with ECG, EEG, EMG, ERG, EOG, EGG. The book also deals with the basics of measurements of lung volumes, flow rates, tidal volumes, and the measurement of non-electrical biological parameters. There is also a section on therapeutic medical equipment and biotelemetry and monitoring techniques. The last chapter outlines the application of computers in medicine.

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