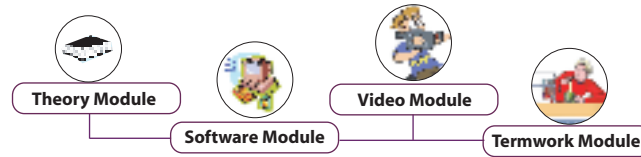


Physiological Measurement



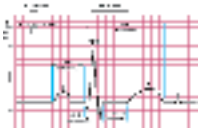
System Requirement:- IBM-PC Compatible Min P-III with Window-OS, 128 MB RAM/Multimedia Kit

Theory module

Features : Theory, Figures, Photographs, Animations With Controller, Highlighter Tool, Note Creation Facility, Systematic Page Navigation, Printing Facility.

List of Topics

Bioelectric Signals and Electrodes



Origin of bioelectric signal, Recording electrodes, Skin-contact impedance, Electrodes for ECC, EEG and EMG, Electrical conductivity of electrode jellies and creals, Microelectrodes.

Physiological Transducers

Pressure transducers, transducers for body temperature measurement, Pulse sensors, Respiration sensors.



Recording Systems



Basic recording system, General consideration for electronic recorder amplifiers, Source of noise in low level recording circuits, Writing systems, Direct writing recorders, ink jet recorder, potentiometric recorder, Ultra violet recorder, thermal array recorder Electrostatic recorder.

Cardiovascular measurements

Electrocardiography, measurementso of Blood pressure, measurementso of Blood flow and cariac output. plethysmography, measurement of Heart Sounds.



Patient Care and Mmonitoring



The elements ofIntensive- care Monitoring, Diagnosis, Calibration, and Repairebility of Patient-Monitoring Equipment, other instrumentation for monitoring patient, the organization of the hospital for Patient-Care monitoring, pacemakers, Defibrillators.

Branch offices