## Contents

reface to the Second Edition  reface to the First Edition	vi vii
Experiment 1: Study of Compound Microscope	1
Experiment 2: General Techniques for the Collection of Blood	5
Experiment 3: Microscopic examination of Epithelial Tissue, Cardiac Muscle, Smooth Muscle, Skeletal Muscle, Connective Tissue and Nervous Tissue of Ready/Pre-prepared Slides	7
Experiment 4: Study of Human Skeleton—Axial skeleton and Appendicular Skeleton	17
Experiment 5: Determination of Blood Group	29
Experiment 6: Determination of ESR	33
Experiment 7: Determination of Haemoglobin Content of Blood	35
Experiment 8: Determination of Bleeding Time and Clotting Time	37
Experiment 9: Determination of WBC Count of Blood	39
Experiment 10: Determination of RBC Count of Blood	43
Experiment 11: Determination of Differential Count of Blood	47
<b>Experiment 12:</b> Recording of Blood Pressure in Various Postures, Different Arms, before and after Exertion and Interpreting the Results	51
Experiment 13: Recording of Body Temperature (Using Mercury, Digital and IR Thermometers at Various Locations), Pulse Rate/Heart Rate (at Various Locations in the Body)	53
Experiment 14: Recording Pulse Oxygen (before and after Exertion)	57
Experiment 15: Recording Force of Air Expelled Using Peak Flow Meter	61
Experiment 16: Measurement of Height, Weight, and BMI	65
Experiment 17: Cardiovascular System	69
Experiment 18: Respiratory System	71

## x Human Anatomy and Physiology

Experiment 19: Digestive System	75
Experiment 20: Urinary System	79
Experiment 21: Endocrine System	83
Experiment 22: Reproductive System	87
Experiment 23: Nervous System	91
Experiment 24: Eye	95
Experiment 25: Ear	97
Experiment 26: Skin	101