

Contents

1. INTRODUCTION TO ANATOMY	1
Organization of the Body	1
Body Cavities	2
Anatomical Position and Directional Terms	4
Body Planes	5
Body Regions and Bones	6
Articulations (Joints)	8
Muscles	10
Blood Vessels	12
2. THE HUMAN SKELETON	14
Skeleton of the Human Body	14
Vertebrae and Vertebral Column	16
Skeleton of Shoulder Girdle and Thorax	18
3. THORAX, ABDOMEN AND BACK	20
Muscles of Thoracic and Abdominal Wall	20
Inguinal Region, Hernia	22
Surface Anatomy of the Back	23
Innervation of the Back	24
Deep Muscles of Back and Spinal Cord	26
4. GIRDLES AND FREE EXTREMITIES	28
Upper Extremity	28
Shoulder Joint and Humerus	28
Skeleton of Forearm and Hand	30
Ligaments of Forearm, Hand and Fingers	32
Muscles of Shoulder Region and Arm	33
Muscles of Forearm and Hand	34
Surface Anatomy and Arteries of Upper Extremity	36
Veins and Nerves of Axillary Region and Arm	38
Vessels and Nerves of Arm	40
Lower Extremity	41
Pelvis	41
Hip Joint and Femur	42
Knee Joint and Leg Bones	44
Bones and Ligaments of Foot	46
Muscles of Lower Extremity	48
Muscles of Leg and Foot	52
Arteries of Lower Extremity	54
Veins and Nerves of Lower Extremity	56
Vessels and Nerves of Foot	58



5. THORACIC ORGANS	59
Circulatory System	59
Fetal Circulation	60
Position of Heart	61
Heart and Cardiac Valves	62
Blood Flow within the Heart and Coronary Circulation	64
Conducting System of Heart	66
Lymphatic System and Spleen	67
Respiratory System and Lung	68
Thoracic Wall and Bronchial Tree	70
Diaphragm	72
6. ABDOMINAL ORGANS	73
Digestive System	73
Stomach	74
Pancreas and Biliary System	75
Liver and Abdominal Vessels	76
Gastrointestinal Tract and Intestinal Mucosa	78
Abdominal Vessels and Nerves	79
7. UROGENITAL AND RETROPERITONEAL ORGANS	80
Retroperitoneal Organs and Urinary System	80
Kidney	82
Male Reproductive Organs	83
Vessels of Pelvic Cavity	85
Female Reproductive Organs	86
Female External Genital Organs	88
8. HEAD AND NECK	89
Bone of the Skull	89
Facial Muscles and Retromandibular Region	93
Nerves and Lymph Nodes of Head and Neck	94
Vessels of Neck	96
Cranial Nerves	98
Brain and Brain Stem	101
Brain Arteries and Ventricles	102
Sections through Brain and Head	104
Autonomic Nervous System	106
9. SENSORY ORGANS OF THE HEAD	108
The Eye and Visual Pathway	108
Accessory Ocular Structures	110
Auditory Apparatus	111
Middle and Inner Ear	112



10. UPPER RESPIRATORY AND DIGESTIVE ORGANS IN HEAD AND NECK	114
Upper Respiratory Organs	114
Nasal Cavity	114
Larynx	116
Digestive (Oropharyngeal) Organs	118
Oral Cavity and Teeth	118
Teeth and Muscles of Mastication	120
Muscles of Tongue and Pharynx	122
11. ENDOCRINE ORGANS	124
Epiphysis and Hypophysis	124
Thyroid, Parathyroid, Thymus and Adrenal Gland	125
12. TRANSVERSE ANATOMY	126
Sections through Head	126
Sections through Trunk	127
Sections through Pelvic Cavity and Thigh	128
INDEX	129

