

CONTENTS

Preface.....vii

General Anatomy

1. Anatomical Terminology1
2. General Features of Bones and Joints.....7
3. General Features of Muscle14
4. General Features of Skin and Fascia.....18
5. General Features of the Cardiovascular System24
6. General Features of Lymphatic System31
7. Introduction to the Nervous System34

Upper Limb

8. Features of Individual Bones (Upper Limb).....51
9. Pectoral Region.....61
10. Axilla, Shoulder and Scapular Region.....66
11. Arm and Cubital Fossa88
12. Forearm and Hand95
13. General Features, Joints, Radiographs and Surface Marking122

Lower Limb

14. Features of Individual Bones (Lower Limb)152
15. Front and Medial Side of Thigh.....168
16. Gluteal Region and Back of Thigh178
17. Hip Joint188
18. Knee Joint, Anterior Compartment of Leg and Dorsum of Foot194

19. Back of Leg and Sole.....	210
20. General Features, Joints, Radiographs & Surface Marking.....	225

Thorax

21. Thoracic Cage.....	253
22. Heart and Pericardium	275
23. Mediastinum	291
24. Lungs and Trachea.....	310
25. Thorax.....	325

Contents

Prefacevii

Head and Neck

Chapter 26: Skull Osteology..... 10

Chapter 27: Scalp..... 19

Chapter 28: Face and Parotid Region 24

Chapter 29: Posterior Triangle of Neck 38

Chapter 30: Cranial Cavity 44

Chapter 31: Orbit 54

Chapter 32: Anterior Triangle..... 61

Chapter 33: Temporal and Infratemporal Regions..... 63

Chapter 34: Submandibular Region..... 73

Chapter 35: Deep Structures in the Neck..... 76

Chapter 36: Mouth, Pharynx and Palate 91

Chapter 37: Cavity of Nose..... 98

Chapter 38: Larynx 103

Chapter 39: Tongue..... 109

Chapter 40: Organs of Hearing and Equilibrium 112

Chapter 41: Eyeball..... 120

Chapter 42: Back Region..... 128

Chapter 43: Head and Neck Joints, Histology, Development,
Radiography and Surface Marking..... 131

Abdomen and Pelvis

Chapter 44: Anterior Abdominal Wall 162

Chapter 45: Posterior Abdominal Wall 180

Chapter 46: Male External Genitalia 184

Chapter 47: Abdominal Cavity 192

Chapter 48: Pelvic Wall and Viscera..... 225

Chapter 49: Perineum 244

Chapter 50: Vertebral Column 250

Chapter 51: Sectional Anatomy 259

Chapter 52: Histology and Embryology 261

Chapter 53: Osteology 298

Chapter 54: Radiodiagnosis 306

Chapter 55: Surface Marking..... 315

Contents

Prefacevii

Neuroanatomy

Chapter 56: Meninges and CSF3
Chapter 57: Spinal Cord.....7
Chapter 58: Medulla Oblongata.....16
Chapter 59: Pons.....22
Chapter 60: Cerebellum27
Chapter 61: Midbrain.....31
Chapter 62: Cranial Nerve Nuclei and Cerebral Hemispheres34
Chapter 63: Ventricular System55
Chapter 64: Histology and Embryology58

Histology

Chapter 65: Epithelium Histology92
Chapter 66: Connective Tissue Histology.....97
Chapter 67: Muscle Histology105
Chapter 68: Nervous Tissue Histology114
Chapter 69: Blood Vessels121
Chapter 70: Glands and Lymphoid Tissue130
Chapter 71: Bone and Cartilage.....136
Chapter 72: Integumentary System.....140

Genetics

Chapter 73: Chromosomes.....	146
Chapter 74: Patterns of Inheritance.....	151
Chapter 75: Principle of Genetics, Chromosomal Aberrations and Clinical Genetics.....	175

General Embryology

Chapter 76: Introduction to Embryology.....	196
Chapter 77: Gametogenesis and Fertilization.....	201
Chapter 78: Second Week of Development.....	219
Chapter 79: 3 rd to 8 th Week of Development.....	227
Chapter 80: Fetal Membranes.....	238
Chapter 81: Prenatal Diagnosis.....	254
Chapter 82: Ethics in Anatomy.....	261