Contents

1. Anatomy **1**
- Epithelium *1*
- Blood Supply of Heart *3*

2. Embryology **5**

3. Histology **8**

4. Physiology **10**
- Transporters *11*
- Pancreatic Cells *13*
- Respiratory Burst *13*

5. Biochemistry **16**
- Rate Limiting Enzyme *16*
- Blotting Techniques *16*
- Vitamins and Coenzymes *19*
- Neonatal Hypoglycemia Causes *23*
- Enzymes That Contain Zinc *23*
- Transcription *31*
- Biochemical Tests *42*
- Concepts in Biochemistry *43*
- Genetics *44*

6. Microbiology **45**
- Toxin *47*
- Biofilm *47*
- Phage Typing *51*
- Common Cold *52*
- Smallest and Largest *52*
- Live Vaccines *53*
- Atypical Tuberculous Organisms *55*
- Fungal Spores *55*

7. Pathology **83**
- Major Histocompatibility Complex (MHC)/Human Leukocyte Antigen (HLA) *83*
- Spherocytosis and RBC Membrane *83*
- Tumor Markers *85*
- BCL6 *93*
- TRAP *93*
- Plasma Cell Disorder *93*

8. Pharmacology **95**
- General Pharmacology—Concepts and Facts *95*
- Pre-, Pro-, and Symbiotics *102*
- Beta-Blocker Properties *109*
- G6PD Hemolysis *111*
- Therapeutic Ranges *111*
- Vasomotor Reversal of Dale *130*
- Indirectly Acting Sympathomimetics *132*

9. Forensic Medicine **139**
- Laws and Sections *139*
- Semen *141*
- Perveted Sex *144*
- Heroin Names *147*

10. Social and Preventive Medicine **149**
- Demographic Cycle *149*
- Polio *151*
- Demographic Trivia *151*
- Scales *152*
- Committees *152*
- NGOs *152*
- Cereals *153*
- Oils *154*
- Formulae *156*
- Waste Management *156*

11. Biostatistics **158**
- Types of Distributions *158*
- Screening Test *160*

12. ENT **165**
- Cochlea Cross-Section *165*
- Ratios *165*
- Vocal Cord *169*
- Nerve Palsy *169*
- Deep Fascia of Neck *170*
- Ethmoidal Sinus Cells *170*
- Two Liners *171*
- Hearing Loss *171*
- Tympanogram *172*
- Frequencies *172*
- ENT Head Mirror *172*

13. Ophthalmology **174**
- Lasers *174*
- Dimensions *175*
- Embryology of Eye: Derivatives *175*

14. General Medicine **179**
- Peld *179*
- Meld *180*
- Broadmann's Areas *185*
- AML *186*
- ALL *186*
- Neuroblastoma *186*
- Extrahepatic Manifestations *187*
- Heterophile Negative Infectious Mononucleolis *196*
- Autoantibodies *197*

15. Surgery **198**
- Staging of Tumors *201*

16. Obstetrics and Gynecology **202**
- Cervical Length *202*
- 3- Swab Methylene Blue Test *203*
- Cell Division *203*
- PCOD *204*
- Placenta—Abnormal Types *205*
- Krukenberg Tumors *209*
- Pseudo-Meig's Syndrome *209*
- Pseudo-Myxoma Peritonei *209*
- Ca Cervix Staging *210*
- Ca Endometrium *210*

17. Pediatrics **212**
- Preterm Milk *212*
- Vaccine *216*
- Dwarfism *217*
- Head Circumference *219*
- CCF *220*

18. Psychiatry **221**
- Syndromes in Psychiatry *221*
- NREM *222*
- REM *222*
- Memory Types *222*
- TCA *223*

19. Dermatology **225**
- Dermatophytes *225*
- The Centrals *226*
- Lepra Reactions *227*
- Swimming and Medicine *230*

20. Orthopedics **232**
- Traction *232*
- Calcifications *235*
- Orthotumors *236*

21. Radiology **238**
- Views *238*
- DTPA *239*
- X-Ray Appearances in CHD *240*

22. Anesthesiology **242**
- Day Care Anesthetics *245*

Appendix 1 247

Appendix 2 254