Contents

1. Cardiology **1**

1.1. Evaluation of the Patient History and Physical Examination *3* ★★★★★
1.2. ECG Basis *24* ★★★★★
1.3. Valvular Heart Disease *44* ★★★★★
1.4. Rheumatic Fever *58* ★★★★
1.5. Infective Endocarditis *62* ★★★★
1.6. Heart Failure *67* ★★★
1.7. Bradyarrhythmias *87* ★★★
1.8. Tachyarrhythmias *92* ★★★★★
1.9. Atrial Fibrillation *113* ★★★★★
1.10. Hypertension *122* ★★★★
1.11. Acute Coronary Syndrome *130* ★★★★★
1.12. Cardiomyopathies *144* ★★★
1.13. Pericardial Disease *158* ★★★★★
1.14. Pulmonary Embolism *168* ★★★
1.15. Pulmonary Hypertension *176* ★★★
1.16. Diseases of the Aorta *186* ★★★★

Multiple Choice Questions *198*
Answer with Explanations *218*

2. Respiratory System **255**

2.1. Pulmonary Function Tests *257* ★★★★★
2.2. Asthma *264* ★★★★
2.3. Chronic Obstructive Pulmonary Disease *269* ★★★★
2.4. Interstitial and Inflammatory Lung Diseases *277* ★★★
2.5. Bronchiectasis *289* ★★★
2.6. Disorders of the Pleura *292* ★★★★★
2.7. Disorders of Ventilation *297* ★★★
2.8. Pulmonary Eosinophilia Syndrome *302* ★★★★
2.9. Pneumonia *310* ★★★★★

Multiple Choice Questions *319*
Answer with Explanations *325*

3. Renal System **337**

3.1. Approach to Renal Functions and Urinary Abnormalities *339* ★★★★★
3.2. Acute Kidney Injury *343* ★★★★★
3.3. Chronic Kidney Disease *348* ★★★
3.4. Glomerular Diseases *353* ★★★
3.5. Tubulointerstitial Diseases *359* ★★★

Multiple Choice Questions *364*
Answer with Explanations *371*

4. Critical Care **387**

4.1. Neurocritical Care *389* ★★★★★
4.2. Respiratory Critical Care *394* ★★★★★
4.3. Cardiac Critical Care *410* ★★★★★
4.4. Oncological Emergencies *425* ★★★★★
Multiple Choice Questions *432*
Answer with Explanations *441*

5. Neurology **469**

5.1. Seizures and Epilepsy *471* ★★★★
5.2. Approach to Central Nervous System Infections *474* ★★★★★
5.3. Acute Meningitis *476* ★★★★★
5.4. Chronic Meningitis *482* ★★★★★
5.5. Chronic Headache Disorders *486* ★★★
5.6. Alzheimer's Disease and Other Dementias *489* ★★★★
5.7. Motor Neuron Diseases *490* ★★★
5.8. Diseases of the Spinal Cord *492* ★★★★
5.9. Multiple Sclerosis and Other Demyelinating Diseases *497* ★★★★
5.10. Peripheral Neuropathies *500* ★★★
5.11. Guillain-Barré Syndrome and Other Immune-Mediated Neuropathies *502* ★★★★★
5.12. Myasthenia Gravis and Other Diseases of the Neuromuscular Junction *504* ★★★
Multiple Choice Questions *506*
Answer with Explanations *512*

6. Endocrinology **525**

6.1. Anterior Pituitary Syndromes *527* ★★★★
6.2. Disorders of the Posterior Pituitary *533* ★★★
6.3. Disorders of Thyroid *537* ★★★
6.4. Disorders of Adrenal Cortex *540* ★★★★★
6.5. Pheochromocytoma *544* ★★★
6.6. Diabetes Mellitus *545* ★★★★★
6.7. Metabolic Syndrome and Obesity *558* ★★★
Multiple Choice Questions *562*
Answer with Explanations *570*

7. Rheumatology **589**

7.1. Rheumatoid Arthritis *591* ★★★★★
7.2. Spondyloarthropathies *600* ★★★
7.3. Sjögren's Syndrome *606* ★★★
7.4. Behçet's Syndrome *610* ★★★
7.5. Immunoglobulin G4-related Disease *612* ★★★★
7.6. Anti-Nuclear Antibodies *616* ★★★★★
7.7. Systemic Lupus Erythematosus *619* ★★★★★
7.8. Idiopathic Inflammatory Myopathies *628* ★★★
7.9. Antiphospholipid Syndrome *632* ★★★★★
7.10. Sarcoidosis *636* ★★★★★
7.11. Systemic Sclerosis *642* ★★★★★
7.12. Vasculitis Syndrome *643* ★★★★★
Multiple Choice Questions *651*
Answer with Explanations *660*

Prelims.indd 12 12-04-2019 14:02:27

8. Gastroenterology and Hepatology 673

8.1. Liver Anatomy *675* ★★★★★
8.2. Viral Hepatitis A, B, C and E *678* ★★★★★
8.3. Hemochromatosis *689* ★★★
8.4. Vascular Disease of Liver *690* ★★★
8.5. Autoimmune Hepatitis *692* ★★★
8.6. Alcoholic Liver Disease *693* ★★★★★
8.7. Wilson's Disease *695* ★★★★
8.8. Primary Sclerosing Cholangitis and Primary Biliary Cirrhosis *697* ★★★★★
8.9. Nonalcoholic Fatty Liver Disease and Nonalcoholic Steatohepatitis *699* ★★★
8.10. Acute Liver Failure and Acute on Chronic Liver Failure *701* ★★★★
8.11. Cirrhosis in Adults: Overview of the Complications and General Management *703* ★★★★★
8.12. Approach to Acute and Chronic Diarrhea *709* ★★★★★
8.13. Maldigestion and Malabsorption *714* ★★★★
8.14. Irritable Bowel Syndrome and Inflammatory Bowel Disease *717* ★★★★★
8.15. Acute Pancreatitis *720* ★★★★★
8.16. Chronic Pancreatitis *724* ★★★

Multiple Choice Questions *727*
Answer with Explanations *737*

9. Infectious Disease 757

9.1. Human Immunodeficiency Virus *759* ★★★★★
9.2. Tuberculosis *768* ★★★★★
9.3. Syndromic Approach and Management of Tropical Infections *775* ★★★★★
9.4. Dengue *778* ★★★★★
9.5. Chikungunya *785* ★★★
9.6. Zika Virus *787* ★★★★★
9.7. Influenza *790* ★★★★★
9.8. Scrub Typhus *796* ★★★★★
9.9. Leptospirosis *799* ★★★★★
9.10. Anthrax *802* ★★★★★
9.11. Malaria *804* ★★★★★
9.12. Fungal Infections *811* ★★★★
9.13. Brucellosis *819* ★★★★★
9.14. Adult Vaccination *821* ★★★★

Multiple Choice Questions *825*
Answer with Explanations *832*

Most Important ★★★★★
Very Important ★★★★
Important ★★★

Prelims.indd 13 12-04-2019 14:02:27