

Contents

<i>Preface</i>	v
1. INTRODUCTION AND ANAESTHESIA	1
History	2
Wound Healing and Infection	3
<i>Questions and Answers</i>	6
2. SHOCK	7
Pathophysiology of Shock	7
Hypovolemic Shock	8
Cardiogenic Shock	9
Septic Shock	9
Neurogenic Shock	10
Anaphylactic Shock	11
<i>Questions and Answers</i>	11
3. FLUID AND ELECTROLYTE ACID-BASE BALANCE AND NUTRITION	13
Hyponatremia	15
Hypokalemia	19
Hypocalcemia	21
Hypercalcemia	21
Hypermagnesemia	22
Hypochloraemia	22
Hyperchloraemia	23
Protocol Used for TPN	29
<i>Questions and Answers</i>	30
4. HAEMORRHAGE	34
Haemorrhage, Clotting Disorders and Blood Products	34
Measuring Blood Loss	34
Treatment of Haemorrhage	34
Clotting Factors, Use of Blood Products and Blood Transfusions	35
Causes of Surgical Bleeding Partial Thromboplastin Time (PTT)	35
<i>Questions and Answers</i>	37

5. HEAD AND NECK/LYMPHADENOPATHY	42
Lumps 42	
Lumps in Parotid Region 42	
Lumps in Anterior Triangle of Neck 43	
Lumps in Submandibular Gland 44	
Condition of Mouth 45	
Lumps in Posterior Triangle 46	
Conditions of Tongue and Cheek 49	
<i>Questions and Answers</i> 50	
6. CHANGE OF BOWEL HABITS AND BLEEDING	55
Upper Bleeding 55	
Lower Bleeding 55	
<i>Questions and Answers</i> 55	
7. VASCULAR SYSTEM	62
Atherosclerotic Disease 62	
Tests for Varicose Veins 62	
Pulmonary Embolism 64	
Venous Valvular Insufficiency 65	
<i>Questions and Answers</i> 66	
8. BREAST	70
Anatomy 70	
Development Anomalies 70	
<i>Questions and Answers</i> 74	
9. HERNIAS	78
Anatomy 78	
Groin Hernias 79	
<i>Questions and Answers</i> 81	
10. ENDOCRINE	85
Anatomy 85	
Physiology 85	
Lumps in the Thyroid 85	
Methods of Investigation of the Thyroid 86	
Thyroid Cancer 89	
Multinodular Goitre 89	
Parathyroid 91	
Adrenal Gland 91	
<i>Questions and Answers</i> 93	
11. ESOPHAGUS	101
Anatomic Points of Interest 101	
Physiology 101	

Pathology	102
Theories of Aetiology	103
<i>Questions and Answers</i>	107
12. STOMACH	113
Anatomy	113
Physiology	113
Diagnostic Tools	114
Peptic Ulcer	114
Postgastrectomy Syndromes	115
Gastric Cancer	117
Tumours	118
<i>Questions and Answers</i>	120
13. HEPATOBILIARY SYSTEM	124
Liver	124
Gallbladder	124
<i>Questions and Answers</i>	132
14. PANCREAS	139
Anatomy	139
Physiology	139
Inflammatory Conditions	139
Neoplasms	141
<i>Questions and Answers</i>	143
15. APPENDIX	147
Inflammation of Appendix known as Appendicitis	147
<i>Questions and Answers</i>	148
16. SPLEEN	151
Anatomy	151
<i>Questions and Answers</i>	152
17. SMALL BOWEL	155
Anatomy	155
Physiology	156
Crohn's Disease	156
Small Bowel Obstruction	157
Small Bowel Cancers	158
<i>Questions and Answers</i>	159
18. COLON	162
Introduction	162
Neoplastic Disease	162

Inflammatory Diseases	164
Pathogenesis	165
Indication for Surgery	166
Crohn's Disease	167
Large Bowel Obstruction	169
Lower GI Hemorrhage	169
<i>Questions and Answers</i>	170
19. RECTUM AND ANUS	174
Anatomy	174
Anus	175
<i>Questions and Answers</i>	177
20. UROLOGY	183
Anatomy	183
External Genital Organs	184
Trauma to the Urinary Tract	186
Renal Cell Carcinoma	188
Bladder Tumours	189
Methods of Urinary Diversion	191
Testicular Tumor	193
Prostate Cancers	193
<i>Questions and Answers</i>	194
21. SURGICAL LAPAROSCOPY	206
Laparoscopy	206
<i>Questions and Answers</i>	209
22. SURGICAL RADIOLOGY AND SURGICAL COMPLICATION	210
Abdomen	210
Surgical Complications	212
Pulmonary Embolism	213
23. CHEMOTHERAPY, SURGICAL SIGNS AND SURGICAL HISTORY	215
Drugs Used for Cancer	219
Surgical Signs and Syndromes	220
24. SURGICAL COMMON DISEASES AND TRANSPLANT	227
Surgical Most Common	227
Transplant Organ	227
Basic Immunology	228
Cells	228
Pancreas Transplant	229
Transplant Complications	229
Heart Transplant	229
Lung Transplant	230