

Section 1: Haematology

1. Blood Collection and Anticoagulants	3
2. Blood and Bone Marrow Smear Preparation and Staining Methods	14
3. Marrow Puncture Needle and Examination of Bone Marrow	36
4. Total Count of WBC, RBC and Platelets	48
5. Erythrocyte Sedimentation Rate (ESR) and Packed Cell Volume (PCV)	58
6. Reticulocyte Examination	70
7. Haemoglobin Estimation	81
8. Bleeding Time, Clotting Time, Prothrombin Time and APTT	92
9. Blood Grouping and Rh Typing	102
10. Normal and Abnormal Blood Cell Morphology	119
11. Anaemia: Common Types and their Investigations	142
12. Leukaemia: Common Types and their Investigations	169
13. Platelet Disorders: Investigations of Haemostasis and Bleeding Tendency	193
14. Haemoparasites	201
15. Automation in Haematology	217
16. HPLC, Capillary Electrophoresis and Haemoglobinopathies	253
17. Blood Transfusion/Transfusion Medicine	296
18. Quality Control in Haematology	321

Section 2: Clinical Pathology

19. Urine Examination	353
20. Stool Examination	380
21. Sputum Examination	403
22. Semen Analysis (Seminal Fluid)	426
23. Cerebrospinal Fluid (CSF) Examination and Lumbar Puncture (LP) Needle	437
24. Thyroid Function Test	451
25. Renal (Kidney) Function Test	463
26. Liver Function Tests and Liver Biopsy	478
27. Cytology: Exfoliative and FNAC	494
28. Some Useful Laboratory Tests	516
29. Laboratory Safety and Waste Disposal	530
Appendices	545
• Appendix 1: Common Instruments in Pathology	545
• Appendix 2: Reference Values (Range)	555
<i>Index</i>	559