

**(A) GENERAL PATHOLOGY**

1. Scientific Study of diseases
2. Some techniques used in study of diseases
3. Aetiology-causes of diseases
4. Heredity and diseases
5. Animal cell, connective tissue, bacterial cell
6. Virus particle, cellular metabolism
7. Retrogressive changes, degeneration
8. Necrosis and Gangrene
9. Amyloidosis
10. Hypertension and
11. Glycogen infiltration and Glycogen storage disease, mucopolysaccharides and storage disease
12. Disorders of pigmentation
13. Pathological calcification and uratic infiltration
14. Inflammation
15. Phenomenon of repair
16. Immunity
17. Hypersensitivity
18. Autoimmunity and autoimmune diseases
19. Transplantation and Immunological tolerance
20. Host-parasitic relationship
21. Disturbances of Nutrition
22. Circulatory disturbances
23. Haemorrhage shock and reaction of body to injury
24. Disturbances of body fluids and electrolytes
25. Disturbances of Growth cells
26. General biology of Tumours
27. Spread of Malignant Tumours
28. Aetiology and Pathogenesis of cancer
29. Pathology of Tumours

**(B) SYSTEMIC PATHOLOGY**

1. Disease of Infancy and childhood
2. Disease of Blood vessels

3. Disease of the Heart
4. Disease of red cells and bleeding disorder.
5. Disease of white cells, lymph nodes, and spleen
6. Disease of respiratory systems
7. Disease of the oral cavity, jaws, and salivary gland
8. Disease of the gastrointestinal tract
9. Disease of the liver and biliary tract
10. Disease of pancreas
11. Disease of kidney
12. Disease of the lower urinary tract
13. Disease of male genital systems
14. Disease of female genital tract
15. Disease of breast
16. Disease of the endocrine systems
17. Disease of the skin
18. Disease of the musculoskeletal systems
19. Disease of the nervous systems

**(C) CLINICAL PATHOLOGY**

1. Collection of blood
2. Haemoglobin estimation
3. Total and differential leucocyte count
4. Red cell count, packed cell volume, and absolute indices and E.S.R.
5. Peripheral smear examination
6. Anemias
7. Leukemias
8. Blood transfusion-pre transfusion test
9. Examination of urine
10. Examination of C.S.F. and investigation of Sterility in males.