

PATHOPHYSIOLOGY OF COMMON DISEASES

THEORY 3 hours/ week

UNIT -I

1. Basic Principles of Cell Injury and Adaptation : Causes of Cellular injury, 5pathogenesis, morphology of cell injury, intercellular alterations in lipids, proteins and carbohydrates, Cellular adaptations, atrophy, hypertrophy, hyperplasia, metastasis & dysplasia.

UNIT - II

2. Basic Mechanisms involved in the process of inflammation and repair :

Alteration in vascular permeability and blood flow, migration of WBCs, acute and chronic inflammation, mediators of inflammation, brief outline of the process of repair.

UNIT -III

3. Pathophysiology of CVS Disorders:, Hypertension, angina, congestive heart failure, atherosclerosis, myocardial infarction.

Pathophysiology of CNS Disorders: Rheumatoid arthritis, gout, epilepsy, psychosis, depression, mania

UNIT -IV

4. Pathophysiology of Endocrine Disorders: Diabetes and other disorders.

Pathophysiology of GI Diseases: Peptic ulcer asthma, ulcerative colitis.

Hepatic disorders like jaundice, viral hepatitis, hepatocellular carcinoma, cirrhosis & portal hypertension

UNIT -V

5. Pathophysiology of Respiratory Diseases: Asthma.

Pathophysiology of Infectious Diseases: Tuberculosis, urinary tract infections, sexually transmitted diseases, acute and chronic renal failure, anemias and common types of neoplasms like carcinoma of lung, skin cervix, colon & brief outline on different types of leukemias. Wherever applicable the molecular basis should be discussed.

RECOMMENDED BOOKS:

1. Pathologic basis of diseases by Robbins S.L. (Harcourt India, New Delhi).
2. Pathology Quick Review and MCQs based on Harsh Mohan's Text Book of Pathology (Jaypee brothers medical publishers, New Delhi)