

PATHOPHYSIOLOGY OF COMMON DISEASES

PH. 3.9 THEORY

3 hours/ week

UNIT -I

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

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 -II

3 **Pathophysiology of Common Diseases** : Rheumatoid arthritis, gout, epilepsy, psychosis, depression, mania,

UNIT -III

4. Hypertension, angina, congestive heart failure, atherosclerosis, myocardial infarction, diabetes, peptic ulcer asthma, ulcerative colitis, hepatic disorders like jaundice, viral hepatitis, hepatocellular carcinoma, cirrhosis & portal hypertension, acute and chronic renal failure,

UNIT -IV

5. Tuberculosis, urinary tract infections, sexually transmitted diseases, 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)