

Abhinav Bindra Sports Medicine & Research Institute
BPT 2nd Year Internal Exam 2024

Pathology, Microbiology and Pharmacology

Time: 09 AM-12 NOON

Date: 05/01/2024
FM: 100

Long Question - $20 \times 3 = 60$

1. Define health and disease. Explain the various factors that influence health and disease. Give examples of each factor.
2. Compare and contrast between reversible and irreversible cell injury. Describe the morphological features and biochemical mechanisms of each type of cell injury.
3. Define hemorrhage. Classify the types of hemorrhage based on the site, size, and duration of bleeding. Explain the clinical features and complications of each type of hemorrhage.
4. Define aneurysm and atherosclerosis. Discuss the etiology, pathogenesis, morphology, and complications of both conditions. Give examples of common sites of involvement.

Short Question - $10 \times 4 = 40$

- A. Define chronic obstructive pulmonary disease (COPD). Describe the pathological changes and clinical manifestations of COPD.
- B. Define rheumatoid arthritis and septic arthritis. Compare and contrast the clinical features, laboratory findings, and histopathology of both conditions.
- C. Write short note on the following - Emphysema and Thoracic Aortic Aneurysm
- D. What is an aneurysm? Classify aneurysms. Discuss the etiopathogenesis of aortic aneurysm and its clinical features.
- E. Define the following: a. Hypoxia b. Ischemia c. Apoptosis d. Necrosis e. Gangrene