

Total Marks: 75

Note: Attempt all Sections. If require any missing data, then choose suitably.

10 x 2 = 20

- Define the term Homeostasis with example
- What are the causes of cell injury.
- What is congestive Heart failure. Differentiate between Forward and Backward Heart failure
- Illustrate risk factors of COPD.
- Differentiate between Type I and Type II Diabetes.
- Give the Etiology of Alzheimer disease.
- What is Rheumatoid Arthritis. Give its signs and symptoms.
- Define Gout and write its types.
- Illustrate Causative agent, sign and symptoms of Tuberculosis
- Explain the Etiology of Syphilis.

2. Attempt any two parts of the following:

- (a) Discuss the components and type of Feedback system.
- (b) Elaborate Pathophysiology of Acute and Chronic Renal failure.
- (c) Explain the etiology, types and pathogenesis of Diabetes Mellitus.

3. Attempt any five parts of the following:

- (a) Discuss basic Mechanism involved in the process of inflammation.
- (b) Explain Pathophysiology of Hypertension.
- (c) Illustrate different types of epilepsy. Explain its pathogenesis.
- (d) Describe basic principle of wound healing in skin.
- (e) Explain the pathophysiology of AIDS.
- (f) Discuss causative agent, Mode of transmission and pathogenesis of Leprosy.
- (g) What is Peptic Ulcer. Discuss its pathogenesis.