

**B. PHARM**  
**(SEM-II) THEORY EXAMINATION 2019-20**  
**PATHOPHYSIOLOGY**

**Time: 3 Hours**

**Total Marks: 75**

**Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

**SECTION A**

- 1. Attempt all questions in brief. 10 x 2 = 20**
- a. Define cellular adaptations.
  - b. What are intracellular accumulations?
  - c. Describe Myocardial infarction in brief.
  - d. Give a short note on Hemophilia.
  - e. Define Angiogenesis.
  - f. Write a note on role of interleukins in inflammation process.
  - g. Give a short note on hypothyroidism and possible reasons for its development.
  - h. Tuberculosis.
  - i. Short note on ulcerative colitis.
  - j. Discuss the sign and symptoms of Leprosy.

**SECTION B**

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- a. Write in detail the pathophysiology of Parkinson's disease. Explain intrinsic and extrinsic pathways.
  - b. Discuss the pathophysiology of atherosclerosis and hypertension.
  - c. Explain the process of apoptosis. Elaborate extrinsic and intrinsic pathways.

**SECTION C**

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- a. Give the pathophysiology of Asthma.
  - b. Define Anemia. Elaborate Iron Deficiency Anemia.
  - c. Give the pathophysiology of Epilepsy. Explain its various types.
  - d. Define Ulcers. Explain the process of ulcer development.
  - e. Differentiate between rheumatoid and osteoarthritis. Explain the pathophysiology of osteoarthritis.
  - f. Describe the pathways of development of cancer.
  - g. Explain the pathophysiology of AIDS.