

**Second Year Pharm D Degree Supplementary Examinations  
April 2025**

**Pathophysiology**

**Time: 3 Hours**

**Total Marks: 70**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(3x10=30)**

1. Classify Vitamins and explain the disorders of vitamins.
2. Define Major histocompatibility complex (MHC) and explain MHC with a neat labelled structure.
3. Explain etiopathogenesis of stroke and peptic ulcer

**Short notes**

**(8x5=40)**

4. Protein calorie malnutrition.
5. Write the abnormalities in lipoproteinemia
6. Write a note on repairs of wounds in the skin
7. What is malignancy, invasion and metastasis
8. Explain the stages of shock
9. Write a note on ill effects of cigarette smoking
10. Explain the pathophysiology of atherosclerosis
11. Sexually transmitted diseases

\*\*\*\*\*