

**QP CODE: 201326**

**Reg. No: .....**

**Second Year Pharm D Degree Regular/Supplementary Examinations  
January 2021**

**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. What is hypersensitivity reaction. Explain type I hypersensitivity reaction.
2. Describe the pathogenesis and morphology of cell injury.
3. What is transplantation reaction and allograft. Describe the mechanism of rejection of allograft.

**Short notes**

**(8x5=40)**

4. Describe the pathophysiology of diabetes mellitus.
5. Classify the chemical mediators of inflammation. Add a note on the physiological role of histamine.
6. The complications of wound healing.
7. Explain the pathophysiology of congestive heart failure.
8. Five differences between benign and malignant tumor.
9. Describe the etiology and pathogenesis of amoebiasis
10. Explain pathogenesis, signs and symptoms of parkinsonism.
11. The causative organisms, pathogenesis, signs and symptoms of malaria.

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