

**QP CODE: 201326**

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

**Second Year Pharm D Degree Supplementary Examinations  
January 2018**

**Pathophysiology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essay**

**(3x10=30)**

1. Classify auto immune diseases and describe the mechanism of autoimmunity.
2. Describe the pathogenesis and morphology of cell injury.
3. Explain the mechanism of various types of shock and their management.

**Short notes**

**(8x5=40)**

4. The pathogenesis of atherosclerosis.
5. The pathological role of renin-angiotensin-aldosterone system.
6. Define atrophy, hyperplasia and hypertrophy with examples.
7. The pathogenesis of acute renal failure.
8. Explain the various effects of ionizing radiations.
9. Describe the etiology and pathogenesis of urinary tract infections.
10. What is apoptosis, explain apoptosis with suitable examples
11. The causative organisms, pathogenesis, signs and symptoms of AIDS.

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