

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)**

**Pharm.D DEGREE EXAMINATION - February 2020
Second Year**

PATHOPHYSIOLOGY

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. a) Define cell injury. Explain the pathogenesis of cell injury. (2+8)
b) Explain the various cellular Adaptations. (5)
2. a) Explain in detail the pathogenesis of Acute inflammation. Add a note on different chemical mediators involved in inflammation.(7+3)
b) Explain the morphology and functions of inflammatory cells. (5)
3. a) Define Autoimmunity. Classify autoimmune disease and explain in detail about pathophysiology of ANY ONE Autoimmune disease.
b) Write on Amyloidosis. (5)

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Pathophysiology of Parkinsonism.
5. Explain Glycogen storage diseases.
6. Discuss the pathogenesis of Malaria.
7. Explain the types and mechanisms of Shock.
8. Pathophysiology of Hepatitis.
9. Discuss the factors influencing Healing of Wounds.
10. Pathogenesis of Asthma.
11. Pathophysiology of Urinary Tract Infections.

III. Write short notes on any **FIVE** questions: (5 x 2 = 10)

12. Hypertrophy and Hyperplasia.
13. Types of stroke.
14. Difference between exudates and Transudate
15. Signs and symptoms of AIDS.
16. Importance of T-lymphocytes and B-lymphocytes in immunity.
17. Difference between Benign and Malignant Tumors.
