

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

Pharm.D DEGREE EXAMINATION - September 2021
Second Year

PATHOPHYSIOLOGY

Time: Three hours

Maximum: 70 marks

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

1. Describe the pathogenesis of irreversible cell injury induced by hypoxia/ ischaemia.
2. What are the different types of hypersensitivity reactions? Describe the Type I hypersensitivity reaction.
3. What is carcinogenesis? Explain the various types of carcinogenesis.

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

4. Define and classify Gangrene and write the difference between wet and dry gangrene.
5. Discuss the factors affecting wound healing.
6. Write the difference between benign and malignant tumour.
7. Explain the mechanism of Hypovolemic shock and its management.
8. Write the sources, functions and deficiency disorders of fat soluble vitamins.
9. Write the cause and pathogenesis of Parkinsonism.
10. Explain the pathogenesis of Asthma.
11. Explain the etiology, pathogenesis, signs and symptoms of Tuberculosis.

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

12. Differentiate between Necrosis and Apoptosis.
13. Differentiate between Marasmus and Kwashiorkor.
14. Enlist types of Ionizing and Nonionizing radiations.
15. Name the cause for acute renal failure.
16. What is the biological significance of hypersensitivity?
17. Name the causative agent, mode of transmission, signs and symptoms for Typhoid.
