

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

**Pharm.D DEGREE EXAMINATION August 2018**  
**Second Year**

**PHARMACOTHERAPEUTICS - I**

Time: Three hours

Maximum: 70 marks

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

1. Discuss pharmacological and non - pharmacological treatment of hypertension.
2. a) Write the prescribing guidelines for geriatric patients.  
b) Explain the rational uses of antibiotics.
3. Explain pulmonary function test. Write the symptoms and management of chronic pulmonary airways disease.

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

4. Write the pathophysiology of cardiac arrhythmias.
5. Explain the diagnostic tests and symptoms of osteoporosis.
6. Write the pathophysiology of asthma.
7. Explain the synthesis of thyroid hormones.
8. Write the role of pharmacist in essential drug concept.
9. Describe the pathophysiology and symptoms of glaucoma.
10. Describe drug induced pulmonary disease with suitable examples.
11. Write the management of myocardial infarction.

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

12. Write the complications of hyperlipidaemia.
13. Explain bone mineral density.
14. Write the aetiology of congestive cardiac failure.
15. Give two examples of safe oral contraceptives with justification.
16. Enlist the symptoms of types – II diabetes.
17. How glucocorticoids induce osteoporosis?

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