

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – JULY 2019  
First Semester**

**PHARMACEUTICS I**

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Define incompatibility. Explain the types of chemical incompatibility.
2. What are lotions and liniments? Add a note on calamine lotion and turpentine liniment.
3. Write short note on :
  - a) Sources of errors in prescription
  - b) Formulation of suspension.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Throat pain
5. Various methods of solubility enhancement techniques.
6. Write notes on dusting powders.
7. What are syrups? Write briefly the methods of preparation of syrups.
8. Excipients used in semisolid dosage forms.
9. Factors affecting posology.
10. Write the difference between flocculated and deflocculated suspension.
11. Parts of prescription.
12. Instabilities of emulsion and methods to overcome.

III. Write short notes on : (10 x 2 = 20)

13. What is cream?
14. Proof spirit.
15. What is displacement value?
16. Types of emulsions.
17. Difference between mouth washes and gargles.
18. Define emollients.
19. What are antioxidants? Give examples.
20. Examples of gelling agents.
21. What is antagonism?
22. Efflorescent powders.