

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

Pharm.D DEGREE EXAMINATION - February 2020
First Year

PHARMACEUTICS

Time: Three hours

Maximum: 70 marks

- I. Write essays on any **TWO** questions: (2 x 15 = 30)
1. Define prescription. Explain in detail various parts of prescription and draw a model prescription. (2+10+3)
 2. Define emulsion. Discuss the stability problems of an emulsion. Add a note on emulsifying agents. (2+8+5)
 3. Define incompatibility. Explain in detail about physical and chemical incompatibility with suitable examples. (2+5+8)
- II. Write short answers on any **SIX** questions: (6 x 5 = 30)
4. Write on suppository bases.
 5. Write the tests for identification of type of emulsion.
 6. Distinguish between liniments and lotions.
 7. Discuss about double and triple maceration process.
 8. Formulation of suspension.
 9. Discuss the methods for the preparation of ointments.
 10. Write ANY FIVE factors affecting dose of a drug.
 11. a) Find the strength of 95% v/v Alcohol in terms of Proof Spirit.
b) In what proportion should 60% v/v alcohol and 35% v/v alcohol be mixed to produce 20% v/v of alcohol.
- III. Write short notes on any **FIVE** question: (5 x 2 = 10)
12. Potent drugs
 13. Young's and Dilling's formula.
 14. Displacement value.
 15. Dentifrices.
 16. Absorbable Gelatin Sponge.
 17. Throat Paint.
