

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

**Pharm.D DEGREE EXAMINATION - July 2021
First Year**

PHARMACEUTICS

Time: Three hours

Maximum: 70 marks

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

1. Define suppository. Discuss the types of bases used for the preparation of suppositories with advantages and disadvantages.
2. Discuss in detail continuous hot percolation process with neat labelled diagram.
3. Discuss in detail about method of preparation of Catgut.

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

4. Method of preparation of Effervescent granules.
5. Write the Tests for identification of type of Emulsion.
6. Write on Eutectic powder.
7. Write about development of Indian Pharmacopoeia.
8. Discuss about stability of emulsion.
9. Discuss the methods for the preparation of Ointments.
10. Explain about physical incompatibilities and methods to overcome the incompatibility.
11. i) Find the strength of 95% v/v Alcohol in terms of proof Spirit.
ii) In what proportion should 60% v/v alcohol and 35% v/v alcohol be mixed to produce 20% v/v alcohol.

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

12. Insufflations.
13. Young's and Dilling's formula.
14. Displacement value.
15. Isotonic solutions.
16. Enemas.
17. Collodions.
