

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

**Pharm.D DEGREE EXAMINATION - February 2020  
Third Year**

**PHARMACEUTICAL FORMULATIONS**

Time: Three hours

Maximum: 70 marks

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

1. Define and classify suppositories. Explain the various methods involved in the preparation of suppositories.
2. Write the significance of Biphasic Liquid Dosage forms. Explain the formulation and evaluation of suspension.
3. Elaborate on Nasal drug delivery system and explain about the mechanism of absorption enhancers.

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

4. Define and classify pharmaceutical dosage forms.
5. Explain the methods of manufacturing soft gelatin capsules.
6. Enumerate the quality control test for tablets.
7. Outline the different types of jellies.
8. Explain the factors affecting the absorption of drug from rectal drug delivery system.
9. Summarize the process of Gelatin production from animal source.
10. Elucidate the various excipients used in tablet formulation.
11. Describe any one method of parenteral sterilization as per official monograph.

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

12. State the significance of Stokes equation in the formulation of suspension.
13. Distinguish between hard and soft Gelatin capsules.
14. Define mottling.
15. Enlist the merits and demerits of novel drug delivery system.
16. Write briefly on Ocular inserts.
17. Bring out the concept of base absorption and Gram / minim factor.

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