

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

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

PHARMACEUTICAL FORMULATIONS

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x15 = 30)

1. Discuss about the formulation and quality control tests for parenterals?
(7.5+7.5)
2. Write about formulation and evaluation of suspensions in detail?
(7.5+7.5)
3. Discuss the production and filling of soft gelatin capsules in detail?

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

4. Sterilization of parenteral products.
5. Formulation of Suppositories.
6. Quality control test for emulsions.
7. Briefly write about nasal – controlled drug delivery system.
8. Film coating of tablets.
9. Packaging materials for ophthalmic products.
10. Quality control tests for hard gelatin capsule shell.
11. Formulation of solutions.

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

12. Advantages of capsules.
13. Granulation techniques for tablets.
14. Define Emulsion?
15. Define Ointment
16. Define Sterilization?
17. Define parenterals?
