

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

**Pharm.D DEGREE EXAMINATION - July 2019
Third Year**

PHARMACEUTICAL FORMULATIONS

Time: Three hours

Maximum: 70 marks

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

1. Describe the various techniques involved in the process of tablet coating and quality control test for coated tablets.
2. Elaborate the formulation of large volume and small volume parenteral preparation.
3. Discuss the production and filling of hard gelatin capsule.

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

4. Write a note on various film defects during coated tablet.
5. Explain in detail about types of ointment base.
6. Enumerate the quality control test for parenteral preparations.
7. Outline the different components of TDDS.
8. Briefly discuss the ideal requirements and classify ophthalmic preparations.
9. Illustrate the wet granulation technique in tablets compression.
10. Summarize the stability problems associated with formulation of emulsion.
11. Elucidate the principle and procedure involved in the preparation of an ointment .

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

12. Write a note on implants.
13. Differentiate type A and Type B gelatin.
14. Define orange peel effect.
15. Enlist the quality control test for capsule.
16. Classify tablets.
17. Bring out the concept of CDDS.
