

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

Pharm.D DEGREE EXAMINATION - August 2018
Third Year

PHARMACEUTICAL FORMULATIONS

Time: Three hours

Maximum: 70 marks

- I. Write essays on any **TWO** questions: (2 x 15 = 30)
1. Define tablets. Explain in detail about tablet compression machine and its operation with diagram.
 2. Explain in detail on the production and filling of soft gelatin capsule.
 3. What is the concept of sustained release formulation and explain the different factors to be considered for SR formulation.
- II. Write short answers on any **SIX** questions: (6 x 5 = 30)
4. Write about granulation technique used in tablet manufacturing.
 5. Brief about the different ointment bases
 6. Explain about filling of hard gelatin capsule.
 7. Explain the factors affecting skin absorption with diagram.
 8. Explain the desirable qualities of parenteral.
 9. Write briefly about additives used in parenteral preparation.
 10. Explain the different methods of preparation of emulsion and its stability properties
 11. Write briefly about packaging storage and labeling of ophthalmic product.
- III. Write short notes on any **FIVE** question: (5 x 2 = 10)
12. Give some advantages of tablets over other dosage form.
 13. Differentiate hard and soft gelatin capsules
 14. Explain the different components of transdermal patches
 15. What are syrups and explain its importance of sucrose concentration.
 16. List out the advantages of sustained release formulation

17. What are implants?
