

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

**B.PHARM. DEGREE EXAMINATION – JULY 2019
Fifth Semester**

INDUSTRIAL PHARMACY - I

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. What are aerosols? Discuss the principle of Aerosol dosage form. Explain in detail about various components and their functions of an Aerosol container.
2. With the help of a flow diagram, explain the layout of a paranteral section. How do you ensure the sterility of an aseptic area?
3. Explain various formulation additives for hard gelatin capsule dosage forms. Describe machinery for filling hard gelatin capsules.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Processing problems of tablet dosage form.
5. Equipments used for manufacturing of pellets.
6. Explain the methods of evaluating ophthalmic products.
7. Importance of polymorphism in formulation of a dosage form.
8. Discuss the principle and procedure of 'LAL' test.
9. Different types of closures.
10. Additives used in liquid dosage form.
11. Film coating of Tablets.
12. Short note on Toothpaste.

III. Write short notes on : (10 x 2 = 20)

13. Coni-snap capsules.
14. Base Adsorption.
15. Eye lotions
16. Slugging
17. Orange peel effects
18. Organoleptic additives
19. Suspending agents
20. Racemisation
21. Paratonic solution
22. Particle size determination of Aerosol.