

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

**B.PHARM. DEGREE EXAMINATION – JANUARY 2020
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 the different methods used to coat the tablets? Explain film coating and compression coating techniques for tablets with their merits and demerits. (2+5+3)
2. Define aerosols. Discuss about the propellants, formulation and evaluation of aerosols. (2+3+3+2)
3. Enumerate the advantages of capsules. Explain in detail about formulation technology of hard gelatin capsules. Add a note on evaluation of capsules. (2+4+4)

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

4. Explain the various methods of evaluating ophthalmic preparations.
5. Describe about the formulations of shampoo and hair dye with a suitable example.
6. Discuss the processing problems of tablet dosage forms.
7. Describe about formulation of syrups and elixirs.
8. Explain in detail about polymorphism.
9. Describe about quality control tests of soft gelatin capsule.
10. Describe about materials used for packaging of pharmaceutical products.
11. Give a brief account on containers and closures for the parenterals.
12. Describe about pelletization process.

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

13. Suspending agent.
14. HEPA filters.
15. Write the common methods used in the finishing of hard capsules.
16. Define emulsion.
17. Write about liquefied gas propellant.
18. State the excipients used in tablet manufacturing.
19. Define Eye lotions.
20. Write the importance of isotonicity.
21. What is racemisation?
22. Slugging.
