

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

**B.PHARM. DEGREE EXAMINATION – July 2021
Fifth Semester**

INDUSTRIAL PHARMACY I

Time : Three hours

Maximum: 75 marks

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

1. Explain in detail about the preformulation studies with respect to physical and chemical properties.
2. Compare and contrast soft and hard gelatin capsules. Explain in detail about the formulation technology of soft gelatin capsules.
3. Discuss advantages and limitations of parenterals. Give a detail account of various quality control test for parenterals.

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

4. What are the different types of propellants used in aerosol systems and write about their advantages and disadvantages.
5. Describe about film coating of tablets.
6. Explain about filling of hard capsules.
7. Discuss about formulation, evaluation and containers used for eye ointments.
8. Describe about BCS classification of drugs and its significance.
9. Explain in detail about formulation and preparation of tooth paste.
10. Describe the quality control tests for hard gelatin capsules.
11. Give a brief account on the factors influencing choice of containers.

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

12. What is bloom strength?
13. Write about cold cream.
14. State about orange peel effect.
15. What are the various sizes of hard capsules?
16. What is enteric coating?
17. Write about pyrogen test.
18. Mottling.
19. What is the composition of glass?
20. Write about water for injection.
21. Enumerate the types of tablets.
