

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

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

INDUSTRIAL PHARMACY - I

Time : Three hours

Maximum: 75 marks

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

1. Define tablet coating. Write the types of coating and explain the film coating compositions.
2. Explain the rotary die process for manufacturing of soft gelatin capsules.
3. Discuss maintenance of environment in parenteral production in detail along with cleaning and sterilization techniques.

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

4. Emphasize on formation of lipstick.
5. Describe quality control tests for tablets.
6. Discuss the production of empty hard gelatine capsules.
7. Describe quality control tests for the parenterals dosage forms.
8. Write a note on formulations of small volume parenterals.
9. Explain the manufacturing of ophthalmic ointment.
10. Write a detailed note on propellants.
11. Emphasize on formulation of toothpaste.

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

12. Ideal properties of shampoos.
13. Write a formula of cold cream.
14. Write the advantages of metered dose inhalers.
15. List evaluation test for aerosols.
16. Organoleptic additives of liquid orals.
17. Name the type of ingredients used in oral suspensions.
18. Importance of sterilization for ophthalmic dosage forms.
19. Stabilizing agents used in eye drops.
20. Name the methods of adjustment of isotonicity.
21. What is LAL test?
