Sl.No: M19166 Course Code: 2910402

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

B.PHARM. DEGREE EXAMINATION – August 2018 Fourth Year

FORMULATIVE PHARMACY AND BIOPHARMACEUTICS

Time: Three hours Maximum: 90 marks

I. Write essays on any **TWO** questions:

 $(2 \times 15 = 30)$

- 1. Explain the different types of granulation. Add note on various granulators.
- 2. Explain the requirements, formulation and evaluation of ophthalmic preparations
- 3. Explain in detail about the production of hard and soft gelatin capsules. Write about the quality control test or capsules.
- II. Write short essays on any **EIGHT** questions:

 $(8 \times 5 = 40)$

- 4. Write a note on tablet defects.
- 5. Describe microencapsulation by Air suspension method.
- 6. Significance of isotonicity and method of adjustment.
- 7. Write a note on excipients and additive sued in parenteral product
- 8. Write a note on liposome
- 9. Write about drug distribution.
- 10. Accelerated stability studies.
- 11. Valves used in aerosols.
- 12. Write about various coating process.
- 13. Aseptic techniques involved in parenteral production.
- III. Write short notes on any **TEN** questions:

 $(10 \times 2 = 20)$

- 14. Advantages of microencapsulation
- 15. What is LAL TEST?
- 16. Importance of photo stability studies.
- 17. Occusert.
- 18. Define shelf life
- 19. Different size of hard gelatin capsule
- 20. How particle size influence the formulation
- 21. Name the evaluation test for aerosols.
- 22. Objective of coating
- 23. What is grey area?
- 24. Dissolution