

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

**B.PHARM. DEGREE EXAMINATION – August 2019  
Third Year**

**DISPENSING AND PHARMACEUTICAL FORMULATION**

Time : Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Define prescription. Describe the various parts of a prescription with suitable examples.
2. a) What are the factors influencing dose of a drug.  
b) Give various formulas to calculate the dose of drug for children.
3. Define suppository. Classify suppository bases. Discuss in brief their properties with suitable examples.

II. Write short essays on any **SIX** questions: (6 x 5 = 30)

4. Classify emulsifying agents and mention their properties.
5. Discuss merits and demerits of suppository bases.
6. Enumerate the properties of ideal ointment bases.
7. Safety precaution to be followed while dispensing ophthalmic preparation.
8. Differentiate : a) Lotion and Liniments b) Ointment and pastes.
9. Define and classify mixtures. Explain the methods for dispensing different mixtures with example.
10. Propellants in Aerosol.
11. Calculate the quantity of 90% alcohol required to prepare 900 ml of 50% alcohol.

III. Write short notes on any **FIVE** questions: (5 x 2 = 10)

12. Potent powder.
13. Wettable solids
14. Liniments
15. Indiffusable solids
16. Label for Turpentine Liniment and eye Ointment.
17. Chemical incompatibility with Alkaloidal salts.

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