

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

**Pharm.D DEGREE EXAMINATION - August 2018**  
**First Year**

**PHARMACEUTICS**

Time: Three hours

Maximum: 70 marks

- I. Write essays on any **TWO** questions: (2 x15 = 30)
1. (a) Define the term prescription? With the help of a typical prescription explain various parts of it. (8)
  - (b) What is posology? Discuss in brief about factors affecting dose selection. (7)
  2. (a) Classify various types of powders. Write principle and method of preparation of effervescent sent granules? (8)
  - (b) What are emulsion? How are their stabilities evaluate ? (7)
  3. (a) Classify various types of incompatibilities. Write about 'Herapathete reaction'. (8)
  - (b) With suitable examples discuss the methods of overcoming therapeutics incompatibilities. (7)
- II. Write short answers on any **SIX** questions: (6 x 5 = 30)
4. Development of profession of pharmacy in India.
  5. Dispensing procedure for eutectic and explosive powder.
  6. Compare the properties of liniments and lotions.
  7. Methods of preparation and evaluation of suppositories.
  8. Preparation of suture and ligatures.
  9. (a) Convert 90 % V/v and 30% V/V alcohol into proof strength.
  - (b) In what proportion should alcohols of 50% and 20 % strength be mixed to prepare 500 ml of 25 % alcohol?
  10. What concentration of cocaine hydrochloride will yield a solution iso-osmotic with blood plasma? The freezing point of a 1% w/v solution of cocaine by hydrochloride is – 0.0c
  11. Write any two formulae for the calculation of children doses.
- III. Write short notes on any **FIVE** question: (5 x 2 = 10)
12. Classification of dosage forms
  13. Dusting powder s – methods of preparation
  14. Adjuvants used in monophasic dosage forms
  15. Throat point – method of preparation
  16. Tinctures Definition and example
  17. Displacement value and it significance

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