

Seat No: \_\_\_\_\_

Enrollment No: \_\_\_\_\_

**PARUL UNIVERSITY**  
**FACULTY OF PHARMACY**

**Pharm.D Supplementary Examination, November - 2017**

**Year: 1**

**Date: 13/11/2017**

**Subject Code: 08207102**

**Time: 10:00am to 1:00pm**

**Subject Name: Pharmaceutics**

**Total Marks: 70**

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**Instructions**

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

**Q.1 Essay Type Questions. (any 2 out of 3) (15 Mark Each) (30)**

1. Define Prescription. Discuss the parts of Prescription with suitable example. Enumerate several steps involved in the dispensing procedure.
2. Define Posology. Discuss the factors affecting to the fixation of dosage in detail.
3. Define and Classify powders. Write a note on Bulk powder.

**Q.2 Short Essay Type Questions. (any 4 out of 5) (5 Mark Each) (20)**

1. Development of Indian Pharmacopoeia.
2. Enlist ideal requirements of suppository base. Discuss oleaginous base of suppository in detail.
3. Describe the dry gum and wet gum methods for emulsification.
4. Discuss the Importance of determining Incompatibility.
5. Differentiate between the following:
  1. Syrup IP and Syrup USP
  2. Mouthwash and Gargles

**Q.3 Short Answers. (2 Mark Each) (20)**

1. Enlist various monophasic liquids for external use. Discuss any one which is useful for mouth cavity.
2. What are Diffusible and In diffusible Mixtures?
3. Give the remedy to overcome incompatibility due to liquefaction.
4. Describe a method to determine displacement values of a drug for moulded dosage form.
5. Write on lubrication of Suppository mould.
6. Comment: i) Liniments are applied with friction.  
ii) Glycerin is used as a vehicle for throat paints.
7. How to make Eutectic powder.
8. Write about Surgical aids.
9. Calculate the volume of 95 % alcohol required to prepare 600 ml of 70 % alcohol.  
Solve by using Alligation method.
10. Find the volume of 95 % alcohol and water required to prepare 800ml of 60 % alcohol Solve by using Alligation Aerial method.