

PARUL UNIVERSITY
FACULTY OF PHARMACY
Pharm.D Annual Examination May - 2018

Year: 1**Subject Code: 08207102****Subject Name: Pharmaceutics****Date: 9/5/2018****Time: 10.00 am To 1.00 pm****Total Marks: 70****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: Suspension. Write ideal properties, characteristics, types and formulation method of suspension in detail.
2. Define Incompatibility. Give its classification and explain therapeutic incompatibility in detail.
3. Define Posology. Write factors affecting doses and dose calculation of posology in detail.

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

1. Explain in detail determination of emulsions type.
2. Write a note on proof spirits.
3. Define Suppositories. Write a short note on suppository bases.
4. Define Powders. Classify it and give its advantages and disadvantages.
5. What is oral monophasic dosage forms? Explain in detail colouring agents used in monophasic dosage form.

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

1. What is Indian national formulary? Give its importance.
2. Multiply 4 pt, 7 fl oz and 3 fl dr by 4.
3. Dispense 10 % w/v, 10 liter glucose solution.
4. How many gm of solid is required to prepare 480 ml of 1 in 750 ml solution?
5. How many parts of 80%, 65%, 32% and 20% alcohols are to be mixed together so as to give 40% alcohol?
6. Convert 90% v/v and 40% v/v alcohol into proof strength (degrees).
7. Give causes and its remedy for chemical incompatibility due to oxidation.
8. Write characteristics of throat paints and its containers.
9. Differentiate between maceration and percolation.
10. Define Displacement value. Give its importance.