

Hemchandracharya North Gujarat University, Patan

Bachelor of Vocation

'Pharmaceutical Chemistry' Semester - I

END TERM Examination, February, 2016

Subject: Pharmaceutics (Basic Principles)

Subject code: PC-112

Time: 2 hrs

Date: 02/02/2016

Maximum marks: 50

Q.1 Answer any 9 questions. Each question carries 1 mark. (9*1=9Marks)

1. Two immiscible liquids has _____ phases.
2. Define: Polymorphism
3. What is the Full form of API :
A. Area Polymorphism Ingredient
B. Active Reformulation Ingredient
C. Active Pharmaceutics Ingredient
D. Activate Pharmaceutics Ingredient
4. How will you measure pressure in the pipe.
5. If value of reynold's no. is < 2100 , then type of flow will be _____
6. _____ and _____ dosage form must be sterile one.
7. Define dosage form.
8. Match the followings:

Dosage form	Route of administration
1) Tablet	A) Rectal
2) Injections	B) Oral
3) Suppository	C) Topical
4) Lotion	D) IV

9. Write down examples of solid dosage form.
10. True/False:
As dielectric constant of solvent decreases, solubility also decreases.

Q. 2 Answer any 5 questions. Each question carries 4 marks. (5*4=20 Marks)

1. Write down comparison between solid, liquid and gases.
2. State and explain:
1) Boyle's law
2) Avogadro law.
3. Write a note on types of fluid flow.

4. Differentiate between flocculated and deflocculated suspension.
5. Explain principles for modes of heat transfer.
6. Write a note on solute-solvent interaction.

Q.3 Answer any 3 question. The question carries 07 marks

(3*7=21 Marks)

1. Draw and explain phase diagram and phase rule for eutectic mixture.
2. Classify dosage form in detail with examples.
3. Enlist the factors affecting polymorphism and explain any three in detail.
4. Write a note on filtration in detail.

BEST OF LUCK