

SAMBHUNATH INSTITUTE OF PHARMACY

Model Question Paper 2016-2017

2nd Year 3rd Semester

Pharmaceutics-II (Unit operation)

Time:- 3.00 hr

Max Mark: – 100

Paper Code: -BOP-232

Paper I.D.: -

Roll.No

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SECTION-A

Attempt all questions. Each question carry equal marks. (10x2=20)

- I. Define the terms Stoichiometry and Unit Operation.
- II. What do you understand by steady state and unsteady state?
- III. Define the terms mole fraction and molality .
- IV. Define the terms filtration and filter aid.
- V. What is the composition of cost iron
- VI. Define the terms Relative humidity.
- VII. Define the terms dry bulb temperature.
- VIII. Define the terms humid heat
- IX. What is the % loss on drying?
- X. What is the % moisture content

SECTION-B

Attempt any FIVE questions. Each question carry equal marks (5x10=50)

- a) What are the factors that affect rate of drying?
- b) Write a note on purified water.

- c) Explain the principle and working of the fluidized bed dryer.
- d) What is the utilization of psychrometric chart?
- e) Discuss about method to determine the humidity.
- f) Discuss about composition use and advantage of cost iron in pharmaceutical industry
- g) Write a note on application of plastic in pharmaceutical industry
- h) Explain about theory of filtration.

SECTION-C

Attempt any TWO questions (2x15=30)

- A. Explain the principal and working of a plate & frame filter press.
- B. Discus about psychrometric charts and its utility.
- C. Write a Short Note on-
 - a) Conical Disc Centrifuge (4)
 - b) Automatic process control system (3.5)