

Subject Code: B132101/R13 SET-1

II B. Pharmacy I Semester Supplementary Examinations, May - 2019 PHARMACEUTICAL UNIT OPERATIONS-I

Time: 3 hours Max. Marks: 70

Question paper consists of Part-A and Part-B
Answering the question in Part-A is Compulsory,
Three Questions should be answered from Part-B

PART-A

- (a) Differentiate between Orificemeter & Venturimeter.
 - (b) Classify different material handling systems with examples.
 - (c) Define Centrifugation and classify Centrifuges.
 - (d) Write a note on Swenson Walker crystallizer.
 - (e) Define humidity and dew point temperature.
 - (f) Define Corrosion. Write the applications of material used for plant construction w.r.t stainless steel.

[4+3+3+4+4+4]

PART-B

- What are the different types of valves used in transportation of fluids? Describe in detail about any two. [16]
- 3. (a) Discuss the construction and applications of Belt conveyor & Screw conveyor.
 - (b) Write a note on types of fans.

[10+6]

- 4. (a) Describe the construction and working of Plate & frame filter press.
 - (b) Describe the construction and working of any one Centrifugal filters.

[8+8]

- 5. (a) Explain the construction and working of Agitated Batch crystallizer.
 - (b) Describe various characteristics of crystals and factors affecting it.

[6+10]

- (a) Mention the applications of Refrigeration.
 - (b) Explain the methods for measurement of Humidity.

[4+12]

- 7. (a) Write about Fire Hazards and their prevention.
 - (b) Explain the properties and applications of materials used for plant construction w.r.t glass.

[8+8]

