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Roll No .....

PY-401 (GS)

B.Pharmacy IV Semester Examination, June 2020

Grading System (GS)

Pharmaceutics - IV

(Pharmaceutical Engineering - II)

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.
ii) All questions carry equal marks.

1. Explain the various properties of granules which may affect the tablet preparation.

2. Explain with neat diagram about the construction, working and advantages of fluid energy mill.

3. What are sieves and how these are graded? Write a note on cyclone separator.

4. Give the theory of sedimentation and describe the Elutriation process of size separation.

5. Define Evaporation. Explain in detail various factors affecting evaporation.

6. Briefly discuss the theory of filtration with reference to Kozeny equation and define following terms.
   i) Filter aids
   ii) Filter media

7. a) Discuss Swenson Walker crystallizater.
   b) Discuss Drum filter.

   OR

   Explain with neat diagram about working of sigma blade mixer.

8. Give short notes on (any two):
   a) Evaporation under reduced pressure
   b) Fluid Energy Mill
   c) Rate of drying

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