

# **2010 Scheme**

**QP CODE: 206006**

**Reg. No: .....**

## **Second Year B.Pharm Degree Supplementary Examinations September 2021 Pharmaceutics III (Pharmaceutical Technology)**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

### **Essay**

**(3x10=30)**

1. Explain the principle, design, operation and uses of a Belt Conveyor system.
2. Write in detail about factors affecting the rate of filtration.
3. Steam distillation

### **Short notes**

**(14x5=70)**

4. Gear pumps
5. Blowers
6. Sources of heat in a pharma industry.
7. Surface or film coefficients.
8. Filter aids
9. Laws governing size reduction
10. Types of evaporators
11. Raoult's Law
12. Extractive distillation
13. Principles of freeze drying.
14. Mechanisms of dehumidification.
15. Planetary mixer
16. Physical factors that influence the selection of material for pharmaceutical plant construction.
17. Electrical hazards.

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