

# **2012 Scheme**

**QP CODE: 216006**

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

## **Second Year B.Pharm Degree Supplementary Examinations February 2021**

### **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 industrial blowers and compressors.
2. Describe the advantage, limitation, uses, construction and working of fluid energy mill with a neat diagram.
3. Explain the principle, construction, working and uses of spray dryer with a neat diagram

**Short notes**

**(14x5=70)**

4. Different types of pumps.
5. Solid handling
6. What are filter aids. Give their mechanism of action.
7. Objectives of size reduction.
8. Explain the terms, percentage humidity and relative humidity.
9. Cathodic and anodic protection
10. Uses of heat in pharmaceutical industry.
11. Factors affecting evaporation.
12. Extractive distillation.
13. Equilibrium moisture content
14. Measurement of humidity
15. Mixers for pastes.
16. Advantages and limitations of stainless steel.
17. Life and dust hazards.

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