

# 2012 Scheme

QP CODE: 216006

Reg. No: .....

Second Year B.Pharm Degree Supplementary Examinations July 2022

## 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. Write the principle, construction, working, merits and demerits of Climbing film evaporator.
2. Define Size reduction with laws. Write the principle, construction, working, advantages and disadvantages of Fluid Energy Mill.
3. Define Mixing. Explain the factors affecting mixing. Discuss the principle and working of Silverson Emulsifier.

### Short notes

(14x5=70)

4. Describe the principle and working of centrifugal pump with a neat labelled diagram.
5. Differentiate between Hoppers and Conveyors. Add a note on their applications.
6. Enlist different types of fire hazards. Describe the methods to prevent fire hazards.
7. What is convection. Compare and contrast natural and forced convection.
8. Write the principle, construction and working of Hammer mill.
9. What is flash distillation. Discuss the concept with its advantages and applications.
10. Describe the construction and working of Edge filter.
11. What are single effect evaporators. Enlist its advantages and disadvantages.
12. Describe the principle and working of Lyophilisation.
13. Describe wet bulb and adiabatic saturation temperatures.
14. What is industrial dermatitis. How does it affect the personnel working in industry.
15. How are gases handled in an industry.
16. Describe about corrosion and its prevention.
17. What are filter aids. Give their mechanism of action.

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