

QP Code: 324006

Reg. No.....

**Third Semester B. Pharm Degree Regular/Supplementary
Examinations January 2020**

Pharmaceutical Engineering

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *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*

Essays

(2x10=20)

1. Explain the principle, construction, working and applications of orifice meter.
2. Explain principle and working of Silveison mixer with neat labelled diagram

Short Notes

(7x5=35)

3. Factors influencing selection of materials for plant construction
4. Briefly explain in detail about drum filter.
5. Ball mill with diagram.
6. Theories of corrosion.
7. Draw the drying rate curve with explanation of each phase.
8. Explain the principle and working of a heat interchanger with a labelled diagram
9. Principle and working of fluidized bed dryer

Answer Briefly

(10x2=20)

10. Types of dryers
11. Types of fractionating columns
12. Differentiate between evaporation and distillation.
13. Applications of size reduction.
14. Labelled diagram of cyclone separator.
15. Factors influencing filtration
16. Prevention of corrosion
17. Grey body
18. Fourier's law
19. Objectives of mixing.
