QP CODE: 204008	Reg. No:
Q. 0022.20.000	

Second B. Pharm (Ayurveda) Degree Supplementary Examinations August 2024

Pharmaceutical Engineering

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

Essays: (2x10=20)

- 1. Explain freeze drying in detail
- 2. Discuss about electrical and mechanical hazards and their prevention in detail

Answer briefly: (10x5=50)

- 3. Explain the construction and working of diaphragm pump
- 4. Describe Fourier's law of heat conduction through a hollow sphere
- 5. Construction and working of Rotary drum filter.
- 6. Add a note on any one manometer
- 7. Explain the process of crystal growth
- 8. Discuss about climbing film evaporator
- 9. Explain the principle and working of flash distillation
- 10. Describe humidity chart and measurement of humidity using humidity chart
- 11. Discuss any one liquid mixer
- 12. Explain the principle and working of hammer mill

Short notes: (10x3=30)

- 13. Advantages of glass as a material of construction
- 14. Classify pumps.
- 15. Distinguish between Sedimentation centrifuge and filtration centrifuge.
- 16. Objectives of size reduction
- 17. Accident records
- 18. Raoult's law
- 19. Construction of double cone blender
- 20. Kirchoff's law of radiation
- 21. Rittinger's law of size reduction
- 22. Add a short note on paddles
