QP Code: 324006	Reg. No
GI OCACI CETOCC	1109: 110:::::::::::::::::::::::::::::::

Third Semester B. Pharm Degree Regular/Supplementary Examinations October 2022

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. State and derive Bernoulli's theorem. Give its applications in pharmacy.
- 2. Describe the construction and working of Plate and frame filter press with neat diagram.

Short Notes (7x5=35)

- 3. Explain the construction and working of Air separator with neat diagram.
- 4. Write about heat interchangers for heat transfer.
- 5. Explain the construction and working of climbing film evaporator with neat diagram.
- 6. Describe the drying rate curve.
- 7. Fractional distillation.
- 8. Explain screw conveyors with neat diagram.
- 9. Theories of corrosion.

Answer Briefly (10x2=20)

- 10. Manometers
- 11. Mechanisms of size separation
- 12. Define black body and grey body
- 13. Applications of spray dryer
- 14. Design of V-cone blender
- 15. Applications of distillation
- 16. Filter leaf
- 17. Enlist factors affecting corrosion
- 18. Types of stainless steel
- 19. Define bound and unbound water.
