

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LR 0121]

JANUARY 2021

Sub. Code: 2037

(MARCH 2020 EXAM SESSION)

B. PHARMACY DEGREE EXAMINATION

PCI REGULATION – SEMESTER III

PAPER IV – PHARMACEUTICAL ENGINEERING

Q.P. Code: 562037

Time: Three hours

Maximum: 75 Marks

I. Elaborate on: Answer any TWO questions.

(2 x 10 = 20)

1. Describe the construction, working, advantages and disadvantages of Fluidized bed dryer.
2. Explain about details of Steam distillation.
3. Define Corrosion. Explain about type and theories of Corrosion.

II. Write notes on: Answer any SEVEN questions.

(7 x 5 = 35)

1. Orifice meter.
2. Hammer mill.
3. Mechanism of conduction.
4. Silversion emulsifier.
5. Filter leaf.
6. Factors in rate of Evaporation.
7. Any one size Separator.
8. Non Perforated basket centrifuge.
9. Factors affecting in materials for plant construction.

III. Short answers on: Answer ALL questions.

(10 x 2 = 20)

1. Types of Manometers.
2. Method of size reduction.
3. Define Distillation.
4. Equilibrium Moisture Content.
5. Propellers.
6. Heat exchangers.
7. Define Mixing.
8. Classify Filters.
9. Application of Centrifugation.
10. Classify Ferrous metals.
