

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2902

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

FIRST YEAR

BRANCH I – PHARMACEUTICS

PAPER II – INDUSTRIAL PHARMACY

Q.P. Code: 262902

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Differentiate consolidation and compression with definitions. Write a detailed note on the distribution and measurement of forces and physics of tablets.
2. Explain in detail about the significance of Pilot plant scale up study and large scale manufacturing techniques of injections and Liquid orals.

II. Write notes on:

(10 x 6 = 60)

1. Sterilization of blood products.
2. Industrial hazards and preventive measures due to fire accident.
3. WTO.
4. Discuss the plastic containers used in pharmaceutical packaging.
5. Selection and Valuation of plastic pharmaceutical containers.
6. Enumerate sterilization of implantable devices.
7. Define solubilisation and co-solvency with examples.
8. Effect of hardness of the tablets on disintegration time.
9. Various optimization techniques.
10. Accelerated stability testing.
