

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

[BPHARM 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 EXAM SESSION)**

Sub. Code: 4267

**B. PHARMACY DEGREE EXAMINATION
FOURTH (FINAL) YEAR – (NON-SEMESTER)
PAPER I – FORMULATIVE PHARMACY AND BIO-PHARMACEUTICS
*Q.P. Code: 564267***

Time: Three hours

Answer ALL questions

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Classify tablets. Discuss the methods of preparation of tablets and its evaluation.
2. Explain the Pharmacokinetic compartment models and its parameters.

II. Write notes on:

(8 x 5 = 40)

1. Accelerated stability testing.
2. Determination of Density.
3. Coating Equipments.
4. Soft gelatin capsules.
5. Any two methods of preparation of microencapsulation.
6. Alzert osmotic pump.
7. Biological factors influencing drug absorption.
8. Plasma drug concentration and time profile curve.

III. Short answers on:

(10 x 2 = 20)

1. Bio pharmaceuticals.
2. Oxidation process.
3. Types of capsule.
4. Types of prolonged dosage forms,
5. Hypodermic tablets.
6. Lubricant and Glidant.
7. Hard Gelatin Capsule sizes.
8. Sugar coating process.
9. Endocytosis.
10. Dissolution apparatus types.
