

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

[LP 956]

NOVEMBER 2019

Sub. Code: 2956

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-III – PHARMACEUTICAL ANALYSIS – MPA
PAPER II – MODERN BIO ANALYTICAL TECHNIQUES

Q.P. Code : 262956

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Basic consideration of Pharmacokinetics and explain about pharmacokinetic and pharmacodynamic drug interactions.
2. Explain in detail about study design and cross over study design in drug product performance.

II. Write notes on:

(7 x 5 = 35)

1. Write about relative and absolute bioavailability.
2. Describe EMEA guidelines for bio analytical method validation.
3. What are the basic equipments used in cell culture laboratory?
4. Write about liquid-liquid extraction methods.
5. Write the experimental methods for solubility.
6. Cryopreservation.
7. Principle and application of flow cytometry.
