

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2956

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-II (PCI New regulations 2016)

PHARMACEUTICAL ANALYSIS – MPA

PAPER II – MODERN BIO ANALYTICAL TECHNIQUES

Q.P. Code : 262956

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about Biopharmaceutical factors affecting drug Bioavailability.
2. Write about general procedure for cell culture, isolation of cells, subculture and characterisation of cells and their applications.

II. Write notes on:

(7 x 5 = 35)

1. Write about the principle and application of MTT assay.
2. Explain the methods for assessing bioequivalence studies.
3. Explain about the effect of tissue-binding interactions.
4. Identification of metabolites using RLM microsomes.
5. Write about toxicokinetic evaluation in preclinical studies.
6. Cryopreservation.
7. Explain about generic biologics.
