

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

[M.PHARM 0823]

**AUGUST 2023
(APRIL 2023 EXAM SESSION)**

Sub. Code: 2952

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - I (PCI New Regulations 2016)
PHARMACEUTICAL ANALYSIS - MPA
PAPER II – ADVANCED PHARMACEUTICAL ANALYSIS**

Q.P. Code: 262952

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Explain about different steps involved in the development of Stability Indicating Method.
b) Describe the principle and procedure for carry out PCR technique.
2. Define Elemental Impurities. Discuss in detail about the classification, guidelines and various potential sources of Elemental Impurities.

II. Write notes on:

(7 x 5 = 35)

1. Classify Residual Solvents and mention its limits.
2. Describe the production of Monoclonal Antibodies.
3. Briefly explain the protocols and application of HPTLC finger printing in phyto-pharmaceuticals.
4. Define Shelf life. What are the various factors affecting Shelf life of drugs?
5. Describe the rationale for the reporting and control of Degradation Products.
6. Enumerate the principle and procedure involved in the bioassay of Human Antihaemophilic Vaccine.
7. Briefly discuss about Radioimmunoassay and its applications.
