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

[LO 952] MAY 2019 **Sub. Code: 2952**

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
PHARMACEUTICAL ANALYSIS – MPA
PAPER II – ADVANCED PHARMACEUTICAL ANALYSIS

Q.P. Code : 262952

Time : Three hours **Maximum : 75 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Classify Elemental impurities and how these are controlled in pharmaceutical products. Write the general Analytical procedures for identification of elemental impurities.

2. Write the principle, method development, stability studies and concepts of Validation.

II. Write notes on: **(7 x 5 = 35)**

1. Describe the principles of Radio Immuno Assay.
2. Write the biological tests and assay of Tetanus Anti toxin.
3. Write note on PCR studies for gene regulation.
4. Describe the photosensitivity testing guidelines.
5. How do you describe the production steps of Antibodies?
6. What are the Regulatory requirements for the stability testing of Phyto pharmaceuticals?
7. Write note on listing of degradation products in specifications.

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