

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

[LP 952]

NOVEMBER 2019

Sub. Code: 2952

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
BRANCH III – 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. Write the special emphasis on basics of impurity profiling and degradant characterization. Describe the methods for the quantification of impurities as per ICH guidelines.
2. Write the basic principles involved in the Immunoassays. Give a flow chart showing production of antibodies. Discuss in detail about quantification and applications of immunoassays.

II. Write notes on:

(7 x 5 = 35)

1. Enlighten the Procedure for the biological assay of Tetanus antiserum.
2. Write the procedures for C, H, N and S analysis.
3. Describe about potential sources of elemental impurities.
4. Write in detail about the stability testing protocols for Phyto-pharmaceuticals.
5. Write short notes on Bioassay of Antivenom.
6. Explain about the stability testing protocols with important parameters.
7. Describe the HPLC/HPTLC finger printing with interactions for Phyto-pharmaceuticals.
