

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

[LP 945]

NOVEMBER 2019

Sub. Code: 2945

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

Q.P. Code : 262945

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain the interpretation of organic compounds in Mass Spectroscopy.
2. Explain the principle, instrumentation and application of LC-MS.

II. Write notes on:

(7 x 5 = 35)

1. N_{osy} – C_{osy}.
2. Write note on Biological standardization RIA.
3. Woodward-Fieser Rules for 1, 3-Butadienes.
4. Isotopic peaks in mass spectroscopy.
5. Write note on 1 - D NMR.
6. HPTLC.
7. Write note on Fragmentation of Carbonyl compounds.
