

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2945

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACEUTICAL CHEMISTRY – MPC
PAPER I – ADVANCED SPECTRAL ANALYSIS
Q.P. Code : 262945

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Cosy and Nosy.
b) Principle and applications of DSC.
2. a) Principle with neat diagram of GC- AAS and its application.
b) Principle, Instrumentation of Raman Spectroscopy

II. Write notes on:

(7 x 5 = 35)

1. ELISA.
2. Principle, Instrumentation and Application of Ion Chromatography.
3. FT- IR and ATR – IR.
4. M_C Lafferty Rearrangements.
5. Mass fragmentation and its rules.
6. Principle and methodology of DTA.
7. Radio immuno assay of Digitalis.
