

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

[LO 944]

MAY 2019

Sub. Code: 2944

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
BRANCH II – PHARMACEUTICAL CHEMISTRY – MPC
PAPER IV – CHEMISTRY OF NATURAL PRODUCTS

Q.P.Code: 262944

Time: Three Hours

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Drugs for diabetic therapy in indigenous system.
b) Describe the structural elucidation of ephedrine and morphine.
2. a) Write briefly the classification, isolation and isoprene rule of Terpenoids.
b) Give the structural elucidation of Citral and Menthol.

II. Write notes on:

(7 x 5 = 35)

1. Discuss the structural characterization of Vit D.
2. Describe the chemistry of contraceptive agents.
3. General methods of structural determination of flavonoids.
4. Write a note about Lovastatin and Dicoumarol.
5. Recombinant DNA (rDNA) technology.
6. Applications of IR in structural characterization of natural compounds.
7. Discuss the chemistry of Carbapenems.
