

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

[LO 993]

MAY 2019

Sub. Code: 2993

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-I
BRANCH VII – PHARMACOGNOSY - MPG
PAPER III – PHYTOCHEMISTRY

Q.P. Code : 262993

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail on biosynthesis, isolation, characterisation and purification of Ephedrine.
2. Give a brief account on different methods of extraction of phytoconstituents.

II. Write notes on:

(7 x 5 = 35)

1. Application of HPTLC in the characterization of Herbal extracts.
2. Flash chromatography and its application.
3. Structural elucidation of Carvone by spectral studies.
4. Lead structure selection process in herbal drug discovery.
5. Biosynthesis and isolation of Sennosides.
6. Spectral methods of identification of Menthol.
7. Selection and optimization of lead compound from *Artemisia*.
