

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

[M.PHARM 0823]

AUGUST 2023
(APRIL 2023 EXAM SESSION)

Sub. Code: 2993

M.PHARMACY DEGREE EXAMINATION
SEMESTER - I (PCI New Regulations 2016)
PHARMACOGNOSY - MPG
PAPER III – PHYTOCHEMISTRY

Q.P. Code: 262993

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write a note on biosynthesis, isolation and characterization of:
 - a. Digitoxin
 - b. Vinca Alkaloids.
2. Structural elucidation of:
 - a. Nicotin
 - b. Luteolin.

II. Write notes on:

(7 x 5 = 35)

1. Role of radioactive tracer techniques in the elucidation of biosynthetic pathways.
2. Different phases of Clinical trials.
3. Selection and optimization of lead compound from Artemisia.
4. Any two recent methods of separation techniques.
5. Methods of drug discovery.
6. HPTLC in the finger printing analysis of phytoconstituents.
7. Microwave Assisted Extraction method.
