

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

[M.PHARM 0922]

**SEPTEMBER 2022
(APRIL 2022 EXAM SESSION)**

Sub. Code: 2995

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New regulations 2016)
PHARMACOGNOSY - MPG
PAPER I – MEDICINAL PLANT BIOTECHNOLOGY**

Q.P. Code : 262995

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Define embryogenesis. Write different methods of embryogenesis and its applications.
2. Write a note on
 - a. Genetic and Molecular biology as applied to Pharmacognosy.
 - b. Biotransformation and its applications.

II. Write notes on:

(7 x 5 = 35)

1. Structure of RNA.
2. Hairy root culture.
3. Immobilization techniques of plant cell.
4. Methods used in gene identification and sequencing.
5. Any two enzymes of pharmaceutical interest.
6. Cell signaling.
7. Sterilization methods involved in plant tissue culture.
