

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

[LP 995]

NOVEMBER 2019

Sub. Code: 2995

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

Q.P. Code : 262995

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) What are the precursors and elicitors on production of secondary metabolite?
b) Discuss in detail about different methods of cloning and its applications.
2. Explain immobilization techniques of plant cell and its application on secondary metabolite production.

II. Write notes on:

(7 x 5 = 35)

1. Recombinant DNA technology.
2. Synthetic seeds and monoclonal variation.
3. Single cell protein.
4. Enzyme amylase production.
5. Examples of transgenic plants.
6. Applications of protoplast culture.
7. Explain genetic code.
