

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2964

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-I (PCI New regulations 2016)

PHARMACEUTICAL BIOTECHNOLOGY – MPB

PAPER IV – ADVANCED PHARMACEUTICAL BIOTECHNOLOGY

Q.P. Code : 262964

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about cloning strategies.
2. a) Describe Microbial Biotransformation of chiral drugs and steroids.
b) Discuss various types of Biosensors.

II. Write notes on:

(7 x 5 = 35)

1. Production of amyloglucosidase.
2. Gene Library.
3. Site specified delivery of therapeutic peptides and proteins.
4. Biodegradation of Xenobiotics.
5. Production of Interferon.
6. Signaling defects and diseases.
7. Production of useful proteins in Transgenic animals.
