

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

[M.PHARM 0922]

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

Sub. Code: 2965

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New regulations 2016)
PHARMACEUTICAL BIOTECHNOLOGY - MPB
PAPER I – PROTEINS AND PROTEIN FORMULATION**

Q.P. Code : 262965

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Different methods for Protein Engineering.
2. 2 Dimensional Gel electrophoresis -Methods, Resolution and reproducibility.

II. Write notes on:

(7 x 5= 35)

1. Edman degradation.
2. N and C -terminal tags.
3. Forced degradation studies.
4. PEGylation of proteins.
5. Isotope labelling.
6. Tryptic peptide mapping.
7. Neon-particulate system.
