

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

[M.PHARM 0823]

**AUGUST 2023
(APRIL 2023 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 of protein sequencing.
2. Isolation, purification and stability of proteins.

II. Write notes on:

(7×5=35)

1. CADD technique.
2. De Novo protein characterization.
3. Analytical and biophysical parameters of proteins in preformulation.
4. Immobilized pH gradients.
5. Classification of peptidomimetics.
6. Gene shuffling.
7. Forced degradation studies of proteins.
