

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

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 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. Explain in detail about strategies used in the protein formulation.
2. Discuss isolation and purification of proteins.

II. Write notes on:

(7 x 5 = 35)

1. Protein sequencing.
2. Peptidomimetics.
3. Biophysical properties of proteins.
4. Identification of proteins.
5. Electrophoresis and image analysis.
6. Tryptic peptide mapping.
7. Physical considerations of proteins.
