

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

[LP 965]

NOVEMBER 2019

Sub. Code: 2965

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

*Q.P. Code : 262965*

**Time : Three hours**

**Maximum : 75 Marks**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Discuss the concepts in the isolation and purification of proteins. Add a note on gene shuffling.
2. Discuss the various strategies for protein and DNA formulation.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Protein sequencing methods.
2. Methods of Protein degradation.
3. Rational drug design and peptide drugs.
4. Methods of Protein characterization.
5. Non peptide peptidomimetics.
6. Gel Electrophoresis.
7. Peptide mapping.

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