

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

[M.PHARM 0922]

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

Sub. Code: 2966

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New regulations 2016)
PHARMACEUTICAL BIOTECHNOLOGY - MPB
PAPER II – IMMUNOTECHNOLOGY**

Q.P. Code : 262966

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about hypersensitivity reactions and autoimmune diseases.
2. a) Define immunity and explain different types of immunity.
b) Write a detailed note on Western blotting technique principle, procedure and its applications.

II. Write notes on:

(7 x 5= 35)

1. Hybridoma technique and its applications.
2. Write a note on immuno electrophoresis and Radioimmunoassay (RIA).
3. Function of Major Histocompatibility Complex.
4. Write note on vaccines. Explain the production method for any one-vaccine.
5. Discuss about different types of Immunoglobulins.
6. Write a note on Immunodiagnosics.
7. List out and explain various types of antigen and antibody reactions.
