

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

[M.PHARM 0922]

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

Sub. Code: 2954

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - I (PCI New regulations 2016)
PHARMACEUTICAL ANALYSIS - MPA
PAPER IV – FOOD ANALYSIS**

Q.P. Code : 262954

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. (a) Write the general methods of analysis of proteins and amino acids.
(b) Write the various methods are used to determining the spoilage of fats and fatty foods.
2. (a) Write the general methods of analysis of milk and milk constituents.
(b) Classify preservatives. Write the various methods used to analyse the preservative content in food products.

II. Write notes on

(7 X 5 = 35)

1. What are all the effects produced by pest and insects on various food products?
2. Write the general methods of analysis of cheese.
3. Write a note on Application of dyes in food industries.
4. Write a note on analysis of organophosphorous compounds in pesticide analysis.
5. Write a brief account on general methods of analysis of lipids.
6. Write the method of analysis during metabolism of proteins.
7. Write the methods are used for the determination of pesticide residues in grains.
