

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

[LO 954]

MAY 2019

Sub. Code: 2954

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

Q.P. Code : 262954

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Define the term Proteins. Discuss the classification and structure of Proteins.
b) Write the general methods of analysis of Proteins and Amino Acids.
2. a) Illustrate the types and methods of detection of Synthetic and Natural Dyes used in food industry.
b) Explain in detail about Pesticide Cycle and types of Pesticides used in Agriculture.

II. Write notes on:

(7 x 5 = 35)

1. Discuss the types of Artificial Sweeteners used in food products.
2. Define Fermentation. Explain the determination of alcohol content in Beer.
3. Write short notes on Margarine.
4. What is the difference between FSSAI and AGMARK?
5. Write a detailed note on digestion and absorption mechanism of Carbohydrates.
6. Explain the various methods for determining fat content of Milk.
7. Write the various types of Preservatives used in carbonated drinks.
