

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

[MPHARM 0122]

**JANUARY 2022
(APRIL 2021 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) What do you mean by crude fibre and dietary fibre? How they are estimated.
b) Explain the procedure for the determination of wine and vinegar.
2. Explain any two methods each for the estimation of followings:
 - a) Antioxidants
 - b) Preservatives

II. Write notes on:

(7 x 5 = 35)

1. Summarize the functions of USFDA.
2. Explain the method of analysis of any two natural pigments used in food substances.
3. Summarize the analytical methods used for the estimation of vitamin-A.
4. Explicate any two analytical methods for the determination of food colorants.
5. Paraphrase about phenol sulphuric method for carbohydrate analysis.
6. Write notes on AGMARK.
7. Write note on general methods involved in the analysis of protein
