

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(DEEMED TO BE UNIVERSITY), SALEM**

**M.PHARM. DEGREE EXAMINATION – September 2021  
First Semester**

**BRANCH: PHARMACEUTICAL ANALYSIS**

**FOOD ANALYSIS**

Time : Three hours

Maximum: 75 marks

**(Draw neat labeled diagrams wherever necessary  
your answer should be specific to the questions asked)**

**SECTION –A**

I. Answer any **THREE** questions: **(3 x 15 = 45)**

1. Enlist the general methods for analysis proteins and amino acids. Explain any three of them with suitable examples.
2. Explain briefly the various qualitative and quantitative methods used for analyzing food carbohydrates.
3. Classification of vitamins. Explain methods of determination of Vitamin B12.
4. Explain any three legislation regulation of food products.

**SECTION –B**

II. Answer any **THREE** questions: **(3 x 10 = 30)**

5. Explain determination of ethanol and methanol in wine sample.
6. Explain about various methods used for detection of natural dyes.
7. Explain about the methods of analysis of any three food additives.
8. Explain the various analytical methods employed for assuring the quality of butter.