

Roll No.

Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy(Pharmaceutical Analysis) (Sem.-1)

FOOD ANALYSIS

Subject Code : MPA-104T

M.Code : 74696

Date of Examination : 21-01-2023

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. (a) What are carbohydrates? Discuss in detail various methods of carbohydrate analysis.
(b) What are dietary fibers and give their health benefits.
2. **Write a note on :**
(a) Permitted synthetic dyes for food products.
(b) Discuss the principle, procedure and application of Dumas methods of protein analysis.
3. (a) Discuss procedure and principle of various discontinuous solvent extraction methods and GC method for total fat analysis for nutrition labeling.
(b) Discuss digestion and absorption of proteins.
4. (a) Write note on the natural pigments.
(b) Discuss digestion and absorption of carbohydrates.
5. Write a note on the analytical methods for milk. Give estimation of starch and urea in milk.
6. Discuss the analytical methods for determining pesticide residue in food products.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.