

QP CODE: 114329

Reg. No:.....

First Semester M.Pharm Degree Supplementary Examinations July 2019

M.Pharm (Pharmaceutical Analysis)

Paper IV - Food Analysis (MPA 104T)

Time: 3 Hours

Total Marks: 75

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Discuss in detail about the types and selection of ideal preservatives used in food industries and write the determination of sodium benzoate and Potassium Sorbate.
2. Elaborate the analytical method for the determination of adulterants and contaminant of milk in milk powder.
3. Describe in detail about the analytical method for determination of organophosphorus and organochlorine pesticides in fruits and vegetables.

Short Notes

(9x5=45)

4. General methods of analysis of food carbohydrates
5. Explain the principle and procedure for the microbial assay of vitamin B₁₂
6. Enlist the pigments and synthetic dyes used in food industry and mention any one method for detection.
7. Outline the adulterants used in fats and explain its determination.
8. Analysis of wine
9. General method of analysis of protein
10. Explain the determination of pesticide residuals present in the grains
11. Enlist the thickening and jelling agent used in food industries and write any one method for determination.
12. FDA & US FDA regulation of food products.
