

QP CODE: 114329

Reg. No:.....

**First Semester M.Pharm Degree Regular/Supplementary Examinations
November 2021**

M.Pharm (Pharmaceutical Analysis)

Paper IV - Food Analysis (MPA 104T)

(Common for 2017 and 2019 Scheme)

Time: 3 Hours

Total Marks: 75

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Classify carbohydrates and discuss about the general methods, analysis of carbohydrates in foods.
2. Discuss about the determination of adulterants of fats and oils.
3. Discuss in detail about the types and selection of ideal preservatives used in food. Write the detection of any two preservative.

Short Notes

(9x5=45)

4. Jelling agents.
5. Analysis of vinegar
6. Analysis of wine
7. Dietary fibers
8. Permitted synthetic dyes
9. Analysis of vitamin C and vitamin A as per IP
10. AGMARK
11. Rancidity of oils
12. Gerber method of analysis of milk
