

QP CODE: 214329

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations
November 2025**

M.Pharm (Pharmaceutical Analysis)

**Paper IV: Herbal and Cosmetic Analysis (MPA 204T)
(Common for 2019 and 2024 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. Explain the process of herbal standardization as per Ayush guidelines.
2. How are the suspected adverse reactions for herbal drugs reported as per WHO guidelines.
3. Explain the significance of following in cosmetics.
 - a) Acid value
 - b) Peroxide value
 - c) Ash value
 - d) Volatile matter
 - e) Density

Short Notes

(9x5=45)

4. Explain any two approaches for herbal therapy validation.
5. Why controlling pesticide residue is important in herbal raw material. How is it achieved.
6. Explain DNA finger printing technique used for drugs of natural origin.
7. Explain on global market scenario for herbal drugs.
8. List the quality assurance parameters for herbal drugs as per WHO guidelines.
9. Enumerate the major differences between herbal monographs of USP and IP.
10. Which is the best analytical technique for identifying adulterants in herbal drugs. Justify your answer.
11. Enumerate bio drug and food interactions with suitable example.
12. Explain standards for baby care products as per BIS.
