

QP CODE: 214329

Reg. No:.....

**Second Semester M. Pharm Degree Supplementary Examinations
January 2020**

M.Pharm (Pharmaceutical Analysis)

**Paper IV: Herbal and Cosmetic Analysis (MPA 204T)
(2017 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 in detail the WHO guidelines for the standardization of herbal drugs.
2. Explain in detail about the various quality control tests carried out for baby creams and baby powders as per Indian standard specifications.
3. How natural medicines are monitored for safety as per AYUSH guidelines

Short Notes

(9x5=45)

4. What is the importance of quality control testing of raw materials used in cosmetics
5. Explain in detail any two quality assessment tests carried out for lipsticks as per BIS standards.
6. What is meant by bio drug-food interaction. Explain with suitable example.
7. The causes of adulteration in herbal drugs.
8. Compare and contrast herbal vs conventional drugs.
9. Discuss in detail the challenges in monitoring the safety of herbal medicines.
10. Explain in brief the importance and significance of moisture content & ash value determination for raw materials used in cosmetics.
11. What is the protocol to be followed to apply patent for herbal drugs and natural products.
12. The determination of foreign matter and heavy metals in herbal formulations
