

**QP CODE: 214329**

**Reg. No:.....**

**Second Semester M.Pharm Degree Examinations July 2019**

**M.Pharm (Pharmaceutical Analysis)**

**Paper IV: Herbal and Cosmetic Analysis (MPA 204T)**

**(2017 Scheme)**

**Time: 3 Hours**

**Total Marks: 75**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Describe in detail about WHO guidelines for herbal drug standardization
2. Explain in detail about the DNA fingerprinting techniques in identification of drugs of natural origin
3. Explain about stability testing of natural products

**Short Notes**

**(9x5=45)**

4. Determination of acid value of cosmetic products
5. Testing of baby care products
6. Evaluation of lipsticks
7. Sampling procedures in adulteration
8. Determination of iodine value
9. Bio drug - food interactions
10. Challenges in monitoring the safety of herbal medicines
11. Spontaneous reporting schemes for bio drug adverse reactions.
12. Pesticide residues

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