

Roll No.

Total No. of Pages :02

Total No. of Questions : 06

M.Pharmacy(Pharmaceutical Analysis) (Sem.-2)

**HERBAL & COSMETIC ANALYSIS**

Subject Code :MPA-204T

M.Code :74928

Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks: 75

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

1. Write down the quality control of herbal drugs recommended by AYUSH?
2. Write down the following :
  - a. The effect of herbal medicine on clinical testing?
  - b. Why adulterant screening using modern analytical instruments and determine to measure
3. Write down the following :
  - a. To determine the evaluation of cosmetic products by following terms- Acid value, Ester value, Saponification value, Iodine value, Peroxide value.
  - b. To determine the evaluation of cosmetic products by the following terms- Fineness of powder, Rancidity, Moisture content, Ash value, Heavy metals.
4. Write down the following :
  - a. Define sampling. Explain the various steps involved in the sampling process.
  - b. Differentiate between
    - i. Probability and non-probability sampling.
    - ii. Stratified and multistage sampling.
    - iii. Sampling frame and Sampling design.

5. What are the regulatory requirements for global marketing management for setting herbal drug industry and its protocol for patent law application?
6. Write short notes on :
  - a. Validation of Herbal therapies.
  - b. Pharmacodynamic and Pharmacokinetic issues of herbal medicines.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**