



- Notes :
1. All questions carry equal marks.
 2. Question No. **1** is compulsory solve **any four** question from remaining.
 3. Assume suitable data wherever necessary.

1. Define Ayurvedic & modern dosage form. Describe in detail differentiation between Ayurvedic & modern dosage form with respect to following. **16**
 - Preparation of dosage form.
 - Efficacy to dosage form.
 - Parameters involved in Mfg.
 - Quality of dosage form.

Enlist names of formulation. Add a note on "Taila" preparation.
2. What are phytopharmaceuticals? How they are obtained from herbal drugs? Give the industrial method of Isolation & utilization of medicinally active phytopharmaceutical from kalmegh and liquorice. **16**
3. a) Define herbal medicine? How they are prepared. Give the Importance of herbal medicine with respect to efficacy, cost and availability of raw materials. Add a note on status of Herbal medicine. **8**
- b) Describe in brief method of preparation of Churna according to Ayurvedic Pharmacopoeia. Enlist characteristic evaluation of churna. Give the composition of churna with their uses of Ingredient in the formulation. **8**
4. a) Define chemotaxonomy? Explain merits of chemotaxonomy of plants. Add a note on case study of any class of Phyto constitute with their application. **8**
- b) Explain the term Herbal cosmetics? Discuss in detail Industrial significance and current status of Phyto cosmetics. **8**
5. Enlist the herbs for used in skin care preparation. What are skin care preparation. Give the composition of cold cream, moisturizing cream, face mask, conditioning cream, All purpose cream, with different herbs and their uses along with Mechanism of action, method of preparation, Add a note on marketed skin care cosmetic formulation. **16**
6. a) Define Nutraceuticals? Classify nutraceuticals? Add a note on role of Nutraceuticals on cardiovascular dive ok with their uses and mechanism of action. **8**
- b) What are herbal product? How product chain is related with herbal product explain with respect is formulation. Add a note on quality control of herbal product. **8**
7. Write a note on short note. **16**
 - a) Plant based industry.
 - b) Heavy metal determination Herbal preparation.
 - c) Unani formulation.
 - d) Shampoo.
