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Syllabus- Herbal Drug Technology (Practical)

Course Code: BP406P

Max. Hours: 45 Hrs

Credit: 1

Maximum Marks: 50 (SE- 20; ESE- 30)

List of Practicals

(Minimum 12 experiments must be performed)

1. To establish seed germination and plant tissue culture of a medicinal plant.
2. Preparation and standardization of extracts of Phenol-rich fraction of Green Tea.
3. Preparation and standardisation of Aqueous and hydro-alcoholic extracts of Ashwagandha or Haritaki (as per IP procedure).
4. Preparation and standardization of Flavonoid-enriched fraction of Sweet lime peel.
5. Preparation and standardization of Terpenoid-rich fraction of Bacopa.
6. Preparation and standardization of Steroid-rich fraction of Tribulus.
7. Preparation and standardization of Alkaloid-rich fraction of Vasaka.
8. Evaluation of excipients of natural origin.
9. To develop and evaluate herbal cosmetics in form of gel, cream, lotion using standardized herbal extract.
10. To develop and evaluate herbal shampoo using standardized herbal extract.
11. To develop herbal formulations in form of syrups and mixtures using standardized herbal extract and their evaluation as per Pharmacopoeial guidelines.
12. To develop herbal tablets using standardized herbal extract and their evaluation as per Pharmacopoeial guidelines.
13. Preparation of botanicals-based new herbal medicinal product delivery systems (phytosomes).

14. Experiential learning-based experiments involving collection of herbal formulations/extracts from the market and their quality evaluation as per Pharmacopoeial guidelines.
15. Survey on different commercialized marketed herbal cosmetics.
16. Survey on different commercialized marketed herbal medicine.