

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary. Answer all questions

LONG ESSAY (Answer any TWO)**2 X 20 = 40 Marks**

1. Discuss quality control methods for medicinal plants. Give the significance of pharmacopoeial standards
2. Briefly discuss the principle and procedure involved in the isolation and estimation of Forskolin and Phyllanthin
3. Describe traditional formulations of Ayurvedic formulary of India and give details about standardization and stabilization protocols

SHORT ESSAY (Answer any FIVE)**5 X 10 = 50 Marks**

4. What is the importance of medicinal and aromatic plants in national economy
5. Discuss the Indian and international patent laws applicable to herbal products
6. Analytical profiles for *Psoralea cordifolia* and *Withania somnifera*
7. Discuss the role of herbal raw materials in cosmetics
8. Details regarding TQM and ISO-9000
9. Give the method of isolation and estimation of active secondary metabolite from *Mucuna pruriens*

SHORT NOTES**2 X 5 = 10 Marks**

10. Standardized herbal extracts
11. Antioxidants

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