

**Industrial Pharmacognosy**

**(Revised Scheme 4)**

**Q.P. CODE: 9385**

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

**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. Discuss the principle and procedure involved in the isolation and estimation of Curcumin and L-Withanolides.
3. Write notes on different methods useful in the isolation of different cell constituents.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Discuss the Indian and international patent laws applicable to herbal products.
5. Study of traditional formulations and their standardization as per Ayurvedic Formulary of India
6. Write a note on factors affecting quality of herbs.
7. Importance of aromatic plants in international trade
8. Different methods useful in the determination of microorganisms
9. Define regarding GMP and GLP.

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Explain physico-chemical properties useful in the assessment of herbal formulations.
11. ISO – 9000

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