



INDUSTRIAL PHARMACOGNOSY

(Revised Scheme 2)

Q.P. CODE : 9213

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. Describe in detail about the general methods for isolation, purification, identification and estimation of phytoconstituents from plants.
2. Explain in detail about the WHO guidelines for assessment of crude drugs.
3. Explain in detail about the infrastructure of different types of herbal-based industry. Add a note on TQM and GMP of herbal industries.

SHORT ESSAY (Answer any FIVE)

5 X 10 = 50 Marks

4. What are herbal cosmetics? Add a note on formulation and standardization of hair care preparations giving suitable examples.
5. Write a note on isolation and estimation of Curcumin and Guggulosterone.
6. Write a note on stability studies of herbal-based products. Add a note on interpretation of its data and its limitations.
7. Explain in detail about the different formulations as per Ayurvedic formulary of India giving suitable examples.
8. Describe processing, equipment used and analytical profile of herbal extracts using suitable examples.
9. Explain methods of isolation and estimation of Aloin and Kutkin.

SHORT NOTES

2 X 5 = 10 Marks

10. Write a brief note on Antioxidants.
11. Write a brief note on plant breeder's right.

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