

[Time: 3 Hours]

[Max. Marks: 75]

Industrial Pharmacognostical Technology

Q.P. CODE: 5133

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

LONG ESSAY (Answer any Three)

3 X 10 = 30 Marks

1. Explain the infrastructural requirements for production of standardized extracts in herbal drug industry.
2. Explain TRIPS and EXIM policy.
3. Explain monograph analysis of clove oil and castor oil as per IP.
4. Write the various criteria to be considered for grant of patents.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Explain the aspects to be considered for selecting project on herbal drug research.
6. Explain pilot plant scale-up techniques.
7. Write the concepts of ISO 9000.
8. Define IPR. Give its types and significance.
9. Give the comparative study of any one herbal monograph as per IP and USP.
10. Explain stability testing of natural products.
11. Explain "Geographical indication" and its importance.
12. Explain the WHO method for determination of bitterness value and swelling Index.
13. Explain the regulatory aspects for dispensing of herbal drugs.
14. Explain the role of Controllers of patent.

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