



[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 setting up an herbal drug industry for production of standardized extracts and formulations.
2. Explain WHO guidelines for assessing quality of herbal drugs.
3. Write the monograph of any two herbal drugs as per IP and Ayurvedic pharmacopoeia.
4. Discuss in detail ISO 9000 and TRIPS.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write short note on Project report and Technical knowledge.
6. Explain the importance of SOP's in Good Laboratory Practice. What are the requirement of an ideal SOP.?
7. Define 'Patent' and 'Opposition' of Patent with an example for each.
8. Explain pilot plant scale up technique for preparation of an herbal extract.
9. Explain different concepts of TDM.
10. What is capital venture? Discuss its type, importance and advantages.
11. Explain determination of Aflatoxin in herbal drugs.
12. Explain the procedure for determination of microbial contamination in herbal extracts.
13. What is entrepreneurship? Who is entrepreneur? What are the factors responsible for entrepreneurship?
14. Write a short note on patenting of natural products.

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