

**Long Essay (Answer any Three)**

Explain in detail concepts of GLP in herbal drug industry.

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2. Explain Indian and International patent laws along with amendment's as applicable to the natural products and processes.
3. What are the current challenges in upgrading and modernization of herbal formulations? Add a note on capital venture.
4. Explain monographs of any two herbal drugs or formulations each as per Indian Pharmacopoeia and Ayurvedic pharmacopoeia.

**SHORT ESSAY (Answer any Nine)****9 X 5 = 45 Marks**

5. Write a short note on Entrepreneurship.
6. What is meant by a Research project? What are the essential components of a research protocol?
7. Write a short note on Stability testing of natural products.
8. Give an outline of plant design and layout for herbal drug extraction.
9. Write short notes on global marketing management.
10. Explain pilot plant design for solid preparations.
11. Give the procedure for determination of a) Bitterness value b) Foaming Index
12. Write a short note on EXIM policies.
13. Write a short note on Copyright.
14. Write short note on TDM.

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