

[Time: 3 Hours]

[Max. Marks: 75]

Advanced Pharmacognosy - I**Q.P. CODE: 5131**

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 importance and different methods for conservation of medicinal plants.
2. Explain the isolation, estimation and characterization of alpha naringin.
3. What are nutraceuticals? Discuss the formulation, standardization and regulatory aspects of nutraceuticals.
4. Explain pharmacovigilance for herbal drugs and AYUSH guidelines for safety monitoring of herbal drug.

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

5. Write a note on Current good agricultural practices.
6. Explain role of ICAR in medicinal plant cultivation.
7. Describe the source, estimation and uses of Hesperidin.
8. Describe the isolation and estimation methods Tocopherol.
9. Write a note on dietary fibers and vitamin supplements.
10. Describe the method for isolation and purification of bioactive compounds from marine sources.
11. Give the source, name of the marker compound, chemical nature, medicinal uses and health benefits of garlic and ginseng.
12. Write the occurrence, chemical nature, medicinal and health benefits of carotenoids.
13. Explain herb-food adverse reactions with suitable examples.
14. Write a note on phenolic acids.

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