

Time: Three Hours

Max. Marks: 75 Marks

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 current good cultivation and good collection practices.
2. Explain the isolation, estimation and characterization of Andrographolide.
3. Explain the isolation, estimation and characterization of guggulipids.
4. Write the source, marker compound, chemical nature and uses of soya bean, turmeric, broccoli and turmeric.

SHORT ESSAY (Answer any Nine)

9 X 5 = 45 Marks

5. Write a note on ex- situ conservation of medicinal plants.
6. Write a note on role of ICAR in medicinal plant cultivation.
7. Describe the source, estimation and uses of Hesperidin.
8. Explain the isolation and estimation of α - Terpineol.
9. Write short note on vitamin supplements.
10. Write short note on antioxidants and their role as Nutraceuticals.
11. Describe general methods for isolation and purification of bioactive compounds from marine sources.
12. Write short note on marine toxins.
13. Explain biodrug – drug interactions with suitable examples.
14. Write a note on WHO guidelines for safety monitoring of natural medicines.

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