



**ADVANCED PHARMACOGNOSY AND PHYTOCHEMISTRY  
(RS2 & RS3)**

**Q.P. CODE: 9212**

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

**LONG ESSAY (Answer any TWO)**

**2 X 20 = 40 Marks**

1. Define and classify pests. Explain the different methods of pest control.
2. Give herbal database for adaptogenic and immunomodulatory activity. Explain their role in public health in the current scenario.
3. Explain the general methods of isolation, identification and chemistry of alkaloids.

**SHORT ESSAY (Answer any FIVE)**

**5 X 10 = 50 Marks**

4. Write in detail the method of cultivation, collection and post harvesting technology of lemon grass.
5. Define marine pharmacognosy. Write the general methods involved in isolation and purification of phytoconstituents from marine sources.
6. Explain the structural elucidation of atropine.
7. Write in detail the method of cultivation, collection and post harvesting technology of Guggul.
8. What are pesticides and weedicides? Explain their control with more emphasize on natural pesticides.
9. Explain the research in medicinal plants possessing anti-diabetic activity.

**SHORT NOTES**

**2 X 5 = 10 Marks**

10. Write a note on complementary and alternate medicine.
11. Write a note on medicinal plants containing steroids.

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