

**Rajiv Gandhi University of Health Sciences**  
**First Year M.Pharm Degree Examination - Nov 2011**

[Time: 3 Hours]

[Max. Marks: 100]

**ADVANCED PHARMACOGNOSY AND PHYTOCHEMISTRY****(Revised Scheme 2)****Q.P. CODE: 9212**

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

**LONG ESSAY (Answer any TWO)****2 X 20 = 40 Marks**

1. Describe management of medicinal and aromatic plants.
2. Describe the phytochemistry of plant sterols and phospholipids.
3. Biosynthesis of atropine and anthraquinone glycosides.

**SHORT ESSAY (Answer any FIVE)****5 X 10 = 50 Marks**

4. Structural elucidation of caffeine
5. Write a note on the cultivation and post harvesting techniques for Isapgol
6. Write about the methods of screening of Antihepatotoxics
7. Write the classification of marine drugs and their importance
8. Write the chemotaxonomical significance of flavonoids.
9. Discuss the role of auxins and abscisic acid in plant growth.

**SHORT NOTES****2 X 5 = 10 Marks**

10. Ex-situ and in-situ cultivation
11. TRIPS agreement.

\* \* \* \* \*