

# Rajiv Gandhi University of Health Sciences, Karnataka

III Year B.Pharm Degree Examination – Aug / Sep 2011

**Time: Three Hours**

**Max. Marks: 70 Marks**

## PHARMACOGNOSY AND PHYTOCHEMISTRY (Revised Scheme 3)

**Q.P. CODE: 2613**

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

### LONG ESSAYS (Answer any Two)

**2 x 10 = 20 Marks**

1. Define glycoside? Classify with examples and write the pharmacognosy of Senna
2. Define essential oils? Classify, write the separation and estimation of essential oils
3. What are Resins? Explain in detail about their properties, classification with examples. Write a note on Benzoin

### SHORT ESSAYS (Answer any Six)

**6 x 5 = 30 Marks**

4. Pharmacognosy of Clove
5. Differentiate between pale catechu and black catechu for its morphology and chemical tests
6. Biosynthesis of atropine
7. Diagnostic characters of Digitalis and Nux-vomica
8. Importance of HPLC in the analysis of natural constituents
9. Distinguish the diagnostic characters of fennel and coriander
10. Stas-otto process
11. Aloes

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Combined umbelliferone test
13. Auto radiography
14. Powder characters of cinnamon and cinchona
15. Tannic acid
16. Taxol
17. Amino alkaloids
18. How do you differentiate Reserpine and Rescinamine
19. Pungency of gingerol
20. Rf Value and Retention time
21. Write a note on Rhubarb