

# Rajiv Gandhi University of Health Sciences, Karnataka

Third year B.Pharm Degree Examination – August 2010

**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 and classify Glycosides. Write a note on Senna
2. Chemical method of crude drug evaluation
3. Explain Pharmacognosy of Opium in detail

### SHORT ESSAYS (Answer any Six)

**6 x 5 = 30 Marks**

4. Pharmacognosy of Mentha Piperita
5. Estimation of Tannins
6. Diagnostic characters of Clove and Cinnamon
7. Stas – otto method of Extraction for Alkaloids
8. Write a note on HPTLC
9. Biosynthetic pathway of Ergot alkaloids
10. Write a note on Extractive values
11. Define resins and classify in detail along with examples

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Keller kiliani's tests
13. Volatile alkaloids
14. Moisture content
15. Chemical tests of Podophyllum
16. Pale catechu and black catechu
17. Sandal wood
18. General properties of glycosides
19. Write a note on Ash values
20. Tracer technique
21. What are Volatile oils and explain in detail