

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharma-D Degree Examination – Mar 2013

**Time: Three Hours**

**Max. Marks: 70 Marks**

## PHARMACOGNOSY & PHYTOPHARMACEUTICALS

**Q.P. CODE: 2858**

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

### LONG ESSAYS

**2 x 10 = 20 Marks**

1. Define proteins. Give its chemistry, classification and method of analysis.
2. Give the morphology and microscopy of Fennel and Nuxvomica.
3. What are carbohydrates? Give the general tests, classification with examples.

### SHORT ESSAYS

**6 x 5 = 30 Marks**

4. Pharmacognosy of Isapgol with swelling factor
5. Method of production and uses of wool fat and coca-butter
6. Describe the different methods of drug adulteration with examples.
7. Write a note on cellulose and its products.
8. Give the morphology and microscopy of Senna.
9. Give the BS, CC and uses of Castor oil and Olive oil.
10. Explain different types of Stomata with examples.
11. Explain plant fibers used in surgical dressings.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. What are ergastic cell substances?
13. Explain chemotaxonomy.
14. Give the B.S, Family CC and uses of Quassia.
15. Mention the microscopic characters of leaf drugs.
16. Give the test to detect adulteration of Honey.
17. Give the uses of Sodium alginate, Pectin, Linseed and Isapgol.
18. What are primary and secondary metabolites?
19. What are manipulated and prepared Opium?
20. What are plant hormones?
21. Different types of Trichomes

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