

# Rajiv Gandhi University of Health Sciences, Karnataka

## II Year Pharma-D Degree Examination – Feb / Mar 2012

**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 classification of crude drugs based on Taxonomy, Morphology chemical Pharmacology and Chemotaxonomy.
2. What are carbohydrates? Give its chemistry, classification with one example each.
3. Write an account on the method of drying, preservation and storage of Crude drugs

#### **SHORT ESSAYS**

**6 x 5 = 30 Marks**

4. Write the History and Scope of Pharmacognosy.
5. Write in detail the cultivation of Ispahula and Senna
6. Give the life cycle of Ergot.
7. Describe the morphological and microscopical characters of Ginger and Nux vomica
8. How you will identify the following constituents of cell
  - a) Lignified fibres
  - b) Mucilage
9. Name the different types of Calcium oxalate, crystals their source and methods used for identification of the same
10. Give the different parts of cell with their functions.
11. Describe the microscopical characters and uses of Datura.

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. Mention the characters of umbelliferous fruits
13. Mention the types of stomata with examples
14. Give the advantages and disadvantages of Natural Pesticide
15. How do you distinguish acacia from tragacanth?
16. Explain the chemical tests for the identification of
  - a) Agar
  - b) Gelatin
17. Define swelling factor
18. What is pectin?
19. Identification tests of lipids.
20. Write a brief note on Pyrethrum.
21. Drug adulteration.

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