

# Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – 08-Dec-2020

Time: Three Hours

Max. Marks: 70 Marks

## PHARMACOGNOSY & PHYTOPHARMACEUTICALS (RS & RS2)

**Q.P. CODE: 2858**

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

### LONG ESSAYS (answer any two)

**2 x 10 = 20 Marks**

1. Describe the classification of crude drugs based on chemical composition and pharmacological activity with examples.
2. Explain with a neat labelled diagram the microscopy and powder microscopical characters of Fennel.
3. Discuss in detail the various factors affecting cultivation of medicinal plants.

### SHORT ESSAYS (answer any six)

**6 x 5 = 30 Marks**

4. Write in brief about conservation of medicinal plants and its importance.
5. Explain five different methods used for adulteration of crude drugs and explain with examples.
6. What are natural pesticides? Give their advantages and disadvantages.
7. Explain the method of cultivation and collection of Clove.
8. What are surgical dressings? Name plant fibers used in surgical dressings with special reference to Cotton.
9. Write the source, chemical constituents, method of preparation and tests for Pectin.
10. Explain with a neat labeled diagram the anatomy of Rauwolfia.
11. Define and classify Lipids with suitable examples. Explain the method of preparation of Linseed oil.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

12. Give the chemical tests for identification of proteins.
13. List out cell wall components in plants.
14. Scope of Pharmacognosy.
15. Define iodine value and give its significance.
16. Give the source, chemical constituents and uses of Liquorice.
17. Write the significance of moisture content and its control in crude drugs.
18. Define ester value and hydroxyl value.
19. Classify carbohydrates with suitable examples.
20. Write a note on collection of barks.
21. Give the chemical constituents and uses of Sesame oil.

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