



# Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – NOV 2017

**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 different methods of classification of crude drugs with examples. Give their advantages and disadvantages.
2. Explain with a neat labelled diagram the microscopy and powder microscopical characters of Ephedra.
3. Define cultivation. Explain various factors affecting the cultivation of medicinal plants.

### **SHORT ESSAYS (answer any six)**

**6 x 5 = 30 Marks**

4. Explain in brief on method of processing, drying and storage of crude drugs.
5. Give the source, chemical constituents, uses of Rauwolfia and Clove.
6. Discuss Pyrethrum and Neem as natural pesticides.
7. Explain the method of cultivation and collection of Fennel.
8. Give the source, chemical constituents and method of preparation of Silk and Wool.
9. Write the source, chemical constituents, method of preparation and identification tests for Guar gum.
10. Explain the general method of extraction and refining of Lipids.
11. Write the chemical tests to differentiate Agar and Acaela.

### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

12. What are primary cell constituents? Give examples.
13. Outline the status of Pharmacognosy in the area of industry.
14. Write a note on composition of plant cell wall.
15. Define iodine value and saponification value.
16. What are auxins? Write their significance.
17. Adulteration of crude drugs with artificial adulterants.
18. Define ester value and write its significance.
19. Define Swelling Index. Give its significances.
20. Give the general identification tests for proteins.
21. Write the chemical constituents and uses of Olive oil.

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