

Rajiv Gandhi University of Health Sciences, Karnataka
II Year Pharm-D Degree Examination – 29-Oct-2024

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. Define Pharmacognosy. Write the history and scope of pharmacognosy.
2. Describe the morphological and microscopical characters of Senna and Ephedra.
3. Describe the cultivation methods of the following drugs a) Isabgol b) Cardamom

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Give the functions of various organelles of a plant cell
5. Explain saponification and iodine values.
6. Write a note on Deliberate methods of adulteration of crude drugs.
7. Give the sources, constituents and uses of sterculia gum and sodium alginate.
8. Give the powder microscopical character for cinchona and *Rauwolfia*.
9. Define proteins. Write in detail about the method of analysis of proteins.
10. Give the advantages of natural pesticides. Write a brief note on pyrethrum.
11. Describe the methods of sterilization of surgical cat gut.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the chemical tests for Acacia.
13. Write a note on swelling factor.
14. Give the sources and constituents of the crude drug used in Leprosy.
15. Define mulching and pruning.
16. Define 'Pharmacognosy' and 'crude drug'.
17. What is collagen? Mention its uses.
18. Define Chemotaxonomy.
19. What are exhausted drugs? Give examples.
20. Write the identification test for plant fibres.
21. Write the methods of propagation of medicinal plants.
