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Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination - May 2017

Time: Three Hours

PHARMACOGNOSY & PHYTOPHARMACEUTICALS (RS & RS2)

Max. Marks: 70 Marks

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. Explain in detail the chemical and pharmacological methods of classification of crude drugs with examples.
2. Explain with a neat labelled diagram the microscopy and powder microscopical characters of Cinchona.
3. Discuss in detail the various factors affecting cultivation of medicinal plants.

SHORT ESSAYS (answer any six)

6 x 5 = 30 Marks

4. Explain various methods of processing of crude drugs.
5. What do you mean by deliberate and in-deliberate adulteration with examples?
6. Write the advantages and disadvantages of natural pesticides. Discuss Pyrethrum as natural pesticide.
7. Explain the method of cultivation and collection of Clove.
8. Describe the source, method of preparation and uses of absorbent Cotton.
9. Explain the source, chemical constituents, identification test and uses of Isapgol.
10. Explain with a neat labeled diagram the anatomy of Nux-vomica.
11. Write the source, method of preparation and tests for Agar.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define carbohydrates and glycosides.
13. What are ergastic cell substances?
14. Define Pharmacognosy and Phytopharmaceuticals.
15. Give the source and uses of olive oil.
16. Write a note on edaphic factor.
17. Give the reasons for adulteration of crude drugs.
18. Define iodine value. Give its significance.
19. Give the source of any two drugs containing gums.
20. Give the identification tests for proteins.
21. Give the chemical constituents and uses of Cod liver oil.
