

Rajiv Gandhi University of Health Sciences, Karnataka

II Year Pharm-D Degree Examination – MAY-2018

Max. Marks: 70 Marks

Time: Three Hours

PHARMACOGNOSY & PHYTOPHARMACEUTICALS (RS & RS2)

Q.P. CODE: 2858

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

2 x 10 = 20 Marks

LONG ESSAYS (answer any two)

1. Differentiate between taxonomy and chemotaxonomy. Describe the chemical method of classification of crude drugs.
2. Explain with a neat labelled diagram the microscopy and powder microscopical characters of *Nuxvomica*.
3. Give the differences between fixed oils, fats and waxes. Write the source, chemistry, method of preparation and uses of *Chaulmoogra* oil.

6 x 5 = 30 Marks

SHORT ESSAYS (answer any six)

4. Give the merits and demerits of cultivation of medicinal plants.
5. What is adulteration? Explain in-deliberate adulteration of crude drugs with examples.
6. Write the advantages and disadvantages of natural pesticides. Discuss *Neem* as natural pesticide.
7. Explain the method of cultivation and collection of *Liquorice*.
8. Define surgical dressings. Write the source and general properties of plant fibers used as surgical dressings.
9. Write the source, chemical constituents, identification tests and uses of *Sterculia* gum.
10. Explain with a neat labeled diagram the anatomy of *Cassia cinnamon*.
11. Write the source, method of preparation, identification tests and uses of *Agar*.

10 x 2 = 20 Marks

SHORT ANSWERS

12. Define primary metabolites with examples.
13. Write the chemical test for lignin and mucilage.
14. Define Pharmacognosy and Crude drug.
15. Define acid value. Give its significance.
16. What is coppicing and felling?
17. What are exhausted drugs? Give examples.
18. Define iodine value and saponification value.
19. What are polysaccharides? Give examples.
20. Explain the method of preparation of *Castor* oil.
21. Give the chemistry of proteins.
