

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – JUNE-2019

Time: Three Hours

Max. Marks: 75 Marks

Pharmacognosy and Phytochemistry -I **Q.P. CODE: 5017**

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. What is evaluation? Explain physical method of evaluation of crude drugs.
2. Define, classify and write the general chemical tests for Alkaloids.
3. Define polyploidy and Hybridization. Explain their applications.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Define adulteration. Explain the four methods of adulteration of crude drugs.
5. Explain different types of pests and methods used to control them.
6. Short note on Homeopathic system of medicine.
7. Describe the chemistry of Lipids.
8. Give the biological source, preparation and uses of Honey.
9. Write a note on edible vaccines.
10. Explain the different methods to determine the moisture content of crude drugs.
11. Classify medicinal agents from marine sources with examples.
12. Give the biological source, chemistry and method of preparation of Bromelain.

SHORT ANSWERS (Answer All)

10 x 2 = 20 Marks

13. Uses of Gibberlic acid
14. Define the term organogenesis.
15. Write "Shinoda test".
16. Define Rancidity.
17. What are Teratogens?
18. Write "Borntrager's test".
19. Write the advantages of PTC.
20. What is budding and layering?
21. Write chemical tests for Mucilage.
22. What is callus?
