

Rajiv Gandhi University of Health Sciences, Karnataka
Fifth Semester B. Pharm Degree Examination – 21-Jun-2022

Time: Three Hours

Max. Marks: 75 Marks

PHARMACOGNOSY AND PHYTOCHEMISTRY - II
Q.P. CODE: 5021

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
All the Questions are compulsory

LONG ESSAYS

2 x 10 = 20 Marks

1. Write the pharmacognosy of Belladonna.

OR

2. Explain the industrial method of production and estimation of Quinine and Reserpine.
2. Explain the Super Critical Fluid Extraction **method**.

7 x 5 = 35 Marks

SHORT ESSAYS

3. Write a note on UV spectroscopy.

OR

4. Describe the **microscopy** of Coriander with a neat labelled diagram.
- OR**
5. Write the B.S and chemical constituents of Cinnamon and Gentian.
5. Write a note on acetate pathway and its significance.
6. Write the method of isolation and estimation of Curcumin.
7. Give the botanical source, chemical tests and uses of aloes.
8. Explain the industrial production and uses of Artemisinin.
9. Describe the microscopy of cinnamon with a neat labelled diagram.

10 x 2 = 20 Marks

SHORT ANSWERS

10. Write the applications of electrophoresis.
11. Write chemical tests for Myrrh.
12. **Write the B.S and uses of Taxus and Colophony.**
13. Write the adulterants of Digitalis and Senna.
14. Write the source and structure of Menthol.
15. Give the applications of gas chromatography.
16. Explain Keller-Kiliani test.
17. Define flavonoid and Resins with example.
18. Write tests to distinguish between Pale and black catechu.
19. Write the source and uses of Asafoetida.
