

Rajiv Gandhi University of Health Sciences, Karnataka
Fifth Semester B. Pharm Degree Examination – 09-Nov-2023

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 biological source, morphology, microscopy, chemical constituents, uses, adulterants and substitutes of Senna.

OR

- Explain in detail about Super critical fluid extraction.
2. Explain industrial production and estimation of Sennosides and vinblastine.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Give the biological source, macroscopy, chemical constituents and uses of liquorice

OR

- Write the isolation and identification of Curcumin.
4. Write a note on Shikimic acid pathway and its significance.

OR

- Explain the industrial production and estimation of Digoxin.
5. Give the biological source, chemical constituents and uses of Clove and Coriander.
6. Describe the isolation and identification of Citral.
7. Give the Pharmacognosy of Vinca.
8. Industrial production and utilization of Atropine.
9. Applications of GC and HPLC.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Botanical source and chemical constituents of Ruta.
11. Explain Murexide test.
12. Applications of Microwave assisted extraction.
13. Define Electrophoresis and give its applications.
14. Identification test for Aloes.
15. Write a note on lignans.
16. Write the chemical tests for pale catechu.
17. Chemical tests for Myrrh.
18. Write a note on Amino Acid Pathway.
19. Write the chemical structures of Eugenol and Quinine.
