

Rajiv Gandhi University of Health Sciences, Karnataka
Fifth Semester B. Pharm Degree Examination – 05-Jun-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.

2 x 10 = 20 Marks

LONG ESSAYS

1. Write Pharmacognosy of Senna leaf.
OR
• Explain in detail Super critical fluid extraction with advantages and applications.
2. Describe in detail about industrial production, estimation and uses of Diosgenin.

7 x 5 = 35 Marks

SHORT ESSAYS

3. Give the identification tests for Benzoin and Colophony.
OR
• Microscopy of clove with a neat labelled diagram.
4. Explain in brief about Thin layer chromatography and its applications.
OR
• Explain the method of isolation and estimation of Quinine.
5. Write a note on tracer technique and its significance.
6. Explain in detail method of isolation and identification of Rutin.
7. Explain the procedure for isolation and identification curcumin.
8. Write in detail the industrial method of production and estimation of Digoxin.
9. Give biological source and active constituents of Podophyllum and Vinca.

10 x 2 = 20 Marks

SHORT ANSWERS

10. Give chemical constituents and uses for Liquorice.
11. Write chemical constituent and uses of Mentha.
12. Write the applications of Solid Phase Extraction.
13. Give the applications of Electrophoresis.
14. Write the chemical tests for Reserpine.
15. Give the identification test for Atropine.
16. Write significances of Shikimic acid pathway.
17. Describe biological sources and Uses of Taxol.
18. Write chemical structures of Caffeine and Eugenol.
19. Give chemical constituents and uses of Aloes.
