

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 05-May-2025

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. Explain industrial method of production and estimation of Diosgenin and Atropine.

OR

Write the pharmacognostical study of Opium.

2. Explain solid phase extraction and microwave assisted extraction.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write a note on acetate pathway and its significance.

OR

Give the biological source and chemical constituents of Artemisia and Clove.

4. Write the method of isolation and estimation of Curcumin

OR

Write a note on UV spectroscopy.

5. Give chemical tests for Asafoetida and Myrrh.

6. Write the morphology and microscopy of Senna.

7. Write the identification tests and estimation of Digoxin.

8. Describe autoradiography and competitive feeding.

9. Write chemical tests for Aloes and Benzoin.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write a note on Carotenoids.
11. Write the applications of TLC.
12. Write the biological source and uses of Ruta.
13. Write the source and structure of Quinine.
14. Describe Murexide test.
15. Write tests for flavonoids.
16. Write the adulterants of Clove.
17. Write the sources and chemical constituents of colophony.
18. Write the source and structure of Menthol.
19. Write the source and uses of Podophyllotoxin.
