

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 05-Jun-2024

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 Pharmacognosy of Cinnamon.

OR

2. Discuss in detail Solid phase extraction and microwave assisted extraction with applications.
3. Describe in detail about industrial production and estimation of Forskolin and Atropine.

SHORT ESSAYS

7 x 5 = 35 Marks

1. Give the applications of Spectroscopical methods.

OR

2. Explain with a neat labeled microscopic diagram of Fennel.
3. Explain in brief Electrophoresis and its applications.
4. Explain the method of isolation and analysis of Caffeine
5. Differentiate between Pale Catechu and Black Catechu.
6. Explain in detail method of isolation and identification of Glycyrrhizin.
7. Explain in detail Shikimic acid pathway and its significances.
8. Explain the industrial method of production and estimation of Rutin.
9. Give biological source and active constituents of Opium and Belladonna.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Give chemical constituents and uses of Tea.
11. Write adulterants of Clove.
12. Write applications of Gas Chromatography.
13. Give applications of SCFE.
14. Write chemical test for Digitalis.
15. Define Resins with examples.
16. Give the significances of radio isotopes.
17. Give the chemical structure of Reserpine and Quinine.
18. Describe applications of HPTLC.
19. Write chemical constituents and uses of Taxus.
