

Rajiv Gandhi University of Health Sciences, Karnataka

Fifth Semester B. Pharm Degree Examination – 17-Nov-2021

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 Pharmacognostical study of Senna.

OR

Enumerate the various modern methods of extraction and explain in detail about SFE.

2. Discuss the industrial production and estimation of Forskolin and Diosgenin.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Describe the solid phase extraction.

OR

Write the isolation and estimation of Glycyrrhetic acid.

4. Write a note on Shikimic acid pathway and its significance.

OR

Explain the industrial production and uses of Artemisinin.

5. Give the biological source, Chemical constituents and uses of any two volatile oil drugs.
6. Write a note on column chromatography.
7. Describe the estimation of vincristine and caffeine.
8. Give the biological source, Chemical tests and uses Benzoin.
9. Describe the microscopy of Clove with a neat labeled diagram.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Give botanical source and Chemical Constituent of Tea.
11. Write botanical source and uses of Digitalis.
12. Write the applications of Microwave assisted extraction.
13. Write the applications of HPTLC.
14. Write Vitalimorin test.
15. Write the chemical structure of Caffeine Reserpine.
16. Define secondary plant metabolite with suitable examples.
17. Give the significance of acetate pathway.
18. Explain Combined umbelliferone test.
19. Write the botanical source and chemical nature of Taxus.
