

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**Fifth Semester B. Pharm Degree Examination – 09-Dec-2020**

**Max. Marks: 75 Marks**

**Time: Three Hours**

**PHARMACOGNOSY AND PHYTOCHEMISTRY - II**  
**Q.P. CODE: 5021**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**2 x 10 = 20 Marks**

**LONG ESSAYS (Answer any Two)**

1. Write Pharmacognosy of Rauwolfia.
2. Discuss the Super critical fluid extraction methods of extractions.
3. Discuss industrial method of extraction and estimation of Forskolin and Atropine.

**7 x 5 = 35 Marks**

**SHORT ESSAYS (Answer any Seven)**

4. Discuss the industrial production of Caffeine and give its uses.
5. Write a note on Acetate pathway and its significance.
6. Describe the Pharmacognosy of Guggul.
7. Describe Solid Phase method of extraction.
8. Write morphology and Microscopy of Senna.
9. Give botanical source, chemical constituents, chemical tests and uses of Aloes.
10. Explain the method of isolation and estimation for Quinine.
11. Explain industrial of production and uses for Diosgenin.
12. Give the biological source, Chemical constituents, uses and adulterants of Clove.

**10 x 2 = 20 Marks**

**SHORT ANSWERS (Answer All)**

13. Write bio-source and chemical constituents of Taxus.
14. Give chemical constituents and uses of Ruta.
15. Give the applications of Electrophoresis.
16. Identification tests for Benzoin.
17. Write a note on Carotenoid.
18. Significance of Shikmic acid pathway.
19. Give the applications of HPTLC.
20. Write the significances of radio isotopes.
21. Write the chemical tests for Myrrh.
22. Give the Vitalimorin test and Thaloquin test.

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