

# Rajiv Gandhi University of Health Sciences, Karnataka

## III Year B. Pharm Degree Examination – 21-Jan-2020

**Time: Three Hours****Max. Marks: 70 Marks**

### PHARMACOGNOSY AND PHYTOCHEMISTRY (RS - 4)

**Q.P. CODE: 2637**

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

**LONG ESSAYS (Answer any Two)****2 x 10 = 20 Marks**

1. Describe the pharmacognosy of digitalis.
2. Discuss the general method of extraction of alkaloids and mention their general chemical tests.
3. What are saponins? Explain the properties and chemistry. Discuss liquorice in detail.

**SHORT ESSAYS (Answer any Six)****6 x 5 = 30 Marks**

4. Explain supercritical fluid extraction in detail.
5. Microscopical linear measurements
6. Give the Biological source, chemical constituents, specific test and uses of a Tropane alkaloid.
7. Isothiocyanate glycosides
8. Write the production of cinnamon oil.
9. Classify and discuss Tannins with examples.
10. Short note on steroidal glycol-alkaloids
11. Biosynthesis of an indole alkaloid

**SHORT ANSWERS****10 x 2 = 20 Marks**

12. Name some adverse reactions caused by Photosensitizing agents.
13. Phytoconstituents and uses of cinnamon oil
14. General properties of Tannins
15. Adulterants and substituents of Rauwolfia
16. Keller-killani test
17. Powder characters of clove
18. Write the uses of carotenoids.
19. Source and uses of Myrobalan
20. Define Marine Pharmacognosy.
21. Importance of evaluation of crude drugs

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