

Rajiv Gandhi University of Health Sciences, Karnataka

Third year B.Pharm Degree Examination – August 2010

Time: Three Hours

Max. Marks: 80 Marks

PHARMACOGNOSY & PHYTOCHEMISTRY (Revised Scheme - 2)

Q.P. CODE: 1963

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. Define chromatography. Explain the various chromatographic techniques applied to natural products
2. What are essential oils? Explain the general methods of their Isolation and Analysis
3. Describe in detail about the various techniques employed in the Elucidation of Biogenetic pathways

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Citrus Bioflavonoids
5. Biosynthesis of Tropane alkaloids
6. diagnostic characters of Rauwolfia and Ephedra
7. Estimation and identification of digitals
8. Give an account on Resins
9. Pharmacognosy of Ginseng
10. Comparison of microscopical characters of Cinnamon and Cinchona
11. Ergot alkaloids
12. Physical evaluation
13. Substitutes and Adulterants of Digitalis

SHORT ANSWERS

10 x 2 = 20 Marks

14. Structure of two important Indole alkaloids and their uses
15. Adulterants of Nuxvomica
16. Vitali-morin test
17. Source and uses of Cannabis
18. Chemical nature and uses of squill
19. Eucalyptus oil
20. Stomata
21. Lobelia
22. Chemical constituents and uses of Benzoin
23. Structure of menthol with its source and uses
