

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Pharm Degree Examination – Aug / Sep 2011

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. Discuss in detail column and thin layer chromatographic techniques used in phytochemical investigation of medicinal plants
2. Write the biosynthesis of cardiac and anthroquinone glycosides
3. Discuss in detail physical method of drug evaluation

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Pharmacognosy of Rauwolfia
5. Diagnostic characters of clove and Cinnamon
6. Stas – otto method of extraction for glycosides
7. Write a note on paper chromatography
8. Classification of alkaloids
9. Tracer technique
10. Chemical tests and estimation of tannins
11. Isolation of volatile oils
12. Source, active constituents and uses of asafoetida and ephedra
13. Adulterants of senna and digitalis

SHORT ANSWERS

10 x 2 = 20 Marks

14. Difference between pale catechu and black catechu
15. Give structures of two cardiac glycosides and their uses
16. Tests for quinine alkaloids
17. Citrus bioflavanoids
18. Active constituents and uses of menthe piperita
19. Bitter glycosides
20. Ergot alkaloids
21. Taxonomical classification
22. Lieberman – Burchard test
23. Source, active constituents and uses of cannabis
