

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Pharm Degree Examination – NOV 2017

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. What is meant by evaluation of natural products? Discuss in detail chemical and spectroscopic methods of evaluation.
2. Write the general characters, chemical nature, general-methods of isolation and uses of tannins.
3. Define glycosides. Write their chemical classification with emphasis on chemistry of anthraquinone glycosides in detail.

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

4. Quantitative microscopy
5. Biosynthesis of hyoscyamine
6. Write the source, diagnostic characters constituents and uses of rauwolfia
7. Stas-otto method of extraction for alkaloid
8. What are resin combinations? Explain with examples.
9. A note on basic metabolic pathway
10. Determination of total ash value and its significance
11. Enfleurage method
12. Chemistry of saponin glycosides
13. Tracer technique

SHORT ANSWERS

10 x 2 = 20 Marks

14. Diagnostic characters of cinnamon
15. Goldbeater's skin test
16. Source and uses of cannabis
17. Adulterants of clove
18. Morphology of Digitalis
19. Differentiate siam bezoin from Sumatra benzoin
20. Autoradiography
21. What are nutgalls
22. Secondary cell constituents
23. Uses of ginseng

Rajiv Gandhi University of Health Sciences, Karnataka

www.FirstRanker.com