

Rajiv Gandhi University of Health Sciences, Karnataka
III Year B.Pharm Degree Examination – JAN-2019

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

PHARMACOGNOSY AND PHYTOCHEMISTRY
(Revised Scheme 3)

Q.P. CODE: 2613

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

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

1. What are essential oils? Classify them with examples. Write the general methods of isolation of Essential oils.
2. Describe the various basic metabolic pathways.
3. What are glycosides? Classify the different glycosides with examples and write a note on extraction of glycosides.

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

4. Biosynthesis of Indole alkaloids.
5. Anthracene Glycosides.
6. Pharmacognosy of Aloe.
7. General tests for Alkaloids and their extraction method.
8. Chromatographic techniques.
9. Production of Resins.
10. Bitter Almond.
11. Biological source, adulterants and uses of Ephedra and Quassia.

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

12. Tests for saponins.
13. Ergot.
14. Isothiocynate Glycoside.
15. Borntrager's test.
16. Extractive values.
17. Indole alkaloids.
18. Adulterants of Senna.
19. Diagnostic characters of Vinca.
20. Source and uses of Cannabis.
21. General properties of Glycosides.
