

# Rajiv Gandhi University of Health Sciences, Karnataka

## IV Year B.Pharm Degree Examination – JAN 2019

**Time: Three Hours****Max. Marks: 80 Marks**

### Pharmacognosy & Phytochemistry - II (OS & RS)

**Q.P. CODE: 1877**

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 are essential oils? Classify and explain different methods of extraction of volatile oils
2. Explain the source, method of production and tests for identification of sesame oil. Write in brief how the volatile oils differ from fixed oils
3. Define and classify alkaloids in brief. Explain the methods of isolation of alkaloids. Explain the morphology of Aconite & Rauwolfia

**SHORT ESSAYS (Answer any Eight)****8 x 5 = 40 Marks**

4. Define, classify & give general properties of Resins
5. Write a note on opium alkaloids
6. Plant enzymes
7. Immunostimulants
8. Explain a herbal preparation & discuss on its standardization
9. Define, classify & give identification tests for proteins
10. Arthritis
11. Chemical tests of asafetida & myrrh
12. Lecithins & cephalins
13. Surgical sutures

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

14. Identification test for Tropane alkaloids
15. Source and uses of Eucalyptus oil
16. Uses of Ephedra
17. What is Protamine?
18. Chemical constituents of kurchi
19. Tea
20. Jajoba
21. Male fern
22. Allergens
23. DNA hybridization

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