

# Rajiv Gandhi University of Health Sciences, Karnataka

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

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

### **Industrial Pharmacognosy (Revised Scheme - 2) Q.P. CODE: 1970**

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 Cardiac glycosides? Describe isolation, identification and estimation of cardiac glycosides.
2. Write an account on herbal drug industry and the current status of herbal medicines and cosmetics.
3. Explain role of herbs in cosmetic phytocognosy with special reference to Aloe vera, Amla and Tea.

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

4. Standardization of *Tinospora cordifolia*
5. Principle of Ayurveda and Homeopathy
6. Patenting of natural products
7. Gene transfer by physical delivery methods
8. Production and application of urokinase
9. Write a note on polyploidy and hybridization.
10. Preparation of Arista and Asava formulation
11. Add a note on HPTLC.
12. Add a note of Shikonin.
13. Preparation and applications of immobilized enzymes

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

14. Identification tests for Ephedrine
15. Write about Turmeric.
16. Microscopy of Kalmegh
17. Give source, active constituents and uses of Kavera.
18. What is synthetic seed?
19. Name the hair darkners. Write their sources.
20. What is Polyploidy?
21. Write about citrus bioflavonoids.
22. Specific chemical tests for Sennoside.
23. Write about Hyaluronidase.

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