

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.Pharm Degree Examination - JAN 2019

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

Industrial Pharmacognosy (Revised Scheme – 3)

Q.P. CODE: 2620

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. Describe the method of isolation, identification and estimation of Glycyrrhizin and Rutin.
2. Explain the role of marker compounds in the standardization of herbal drugs. Add a note on application of HPLC and HPTLC.
3. Describe the various methods for gene transfer in plants.

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

4. Discuss briefly on status of herbs in cosmetics.
5. Discuss briefly on methods for isolation of Andrographolides.
6. Write a note on Homeopathy and Siddha system of medicine.
7. Write a note on Nutraceuticals.
8. Explain the method of standardization of Aswagandha.
9. Write a note on determination of alcohol content in Aristas and Asavas.
10. Immobilization of Enzymes.
11. Write a note on plant cell suspension culture.

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

12. Chemical tests for Ephedrine.
13. Give source, constituents and uses of Aloevera.
14. Write a note on Ghutika.
15. What is IPR and mention its type.
16. Give the biological source of Kantakari & Vasaka.
17. Give the active chemical constituents of Shelajit & Kalijeera.
18. Give the uses of Malkangani & Gokhru.
19. What are Chemodemes? Mention its applications.
20. What is Biotransformation? Give examples.
21. Give source and uses of Urokinase.
