

Rajiv Gandhi University of Health Sciences, Karnataka
IV Year B.Pharm Degree Examination - Aug / Sep 2011

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. Explain the method of isolation, identification and estimation of ephedrine and glycyrrhizin
2. Discuss the application of tissue culture techniques in pharmacognosy with special importance to the production of secondary metabolites
3. Write an account on enzymes including their properties, isolation techniques and purification methods

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Principles of Ayurveda and Homeopathy
5. Importance of herbal cosmetics
6. Enzyme reactors
7. Different methods of gene transfer in plants
8. Determination of alcohol content in aristas and asavas
9. Standardization of vasaka in crude and extract form
10. Patenting of natural products
11. Manufacture and application of streptokinase

SHORT ANSWERS

10 x 2 = 20 Marks

12. Chemical constituents and uses of Bilva
13. Chemical constituents and uses of Rasna
14. Synthetic seed
15. Identification of sennosides
16. Churna
17. Sandalwood
18. Guggulusterone source and its importance
19. Kantakari
20. Compare HPLC and HPTLC
21. Aloe vera
