

# Rajiv Gandhi University of Health Sciences, Karnataka

Fourth year B.Pharm Degree Examination – August 2010

**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. Write a note on the process of Immobilization of enzymes and the application of immobilized enzymes.
2. Describe the methods involved in the production and evaluation of herbal cosmetics.
3. What are transgenic plants? Discuss the techniques involved in transfer of genes using vectors.

### SHORT ESSAYS (Answer any Eight)

**8 x 5 = 40 Marks**

4. Manufacture of Urokinase.
5. Patentable Natural Products.
6. Standardization of Ashwagandha extract.
7. Applications of Plant Biotechnology.
8. Determination of alcohol content in Aristas and Asavas.
9. Isolation and estimation of Quinine.
10. Role of Aloe vera and turmeric in skin care cosmetics.
11. Isolation of citrus bioflavonoids.
12. Concept of Ayurveda.
13. Enzyme Reactors.

### SHORT ANSWERS

**10 x 2 = 20 Marks**

14. Organogenesis.
15. Significance of Ash Values.
16. Mutation.
17. Polyploidy.
18. Homeopathy.
19. What is Dialysis?
20. Biotransformation.
21. Henna.
22. Taila.
23. Electrophoresis.