

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

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

**HERBAL DRUG TECHNOLOGY**  
**(Revised Scheme - 2)**

**Q.P. CODE: 1976**

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 WHO guidelines for the Quality control of Herbal drugs
2. Explain in detail about the Phytoconstituents of industrial significance
3. In detail explain the industrial production of any two phytopharmaceuticals with a neat flow diagram

**SHORT ESSAYS (Answer any Eight)**

**8 x 5 = 40 Marks**

4. Herbal Pesticides
5. Scope for herbal extract industries in India
6. Polyherbal formulations
7. Skin care products
8. Quality control procedures for Hair care preparations
9. Infrastructure requirement for setting up herbal based industry
10. Outline the history and development of herbal drug industry in India
11. Food Supplements
12. Taste enhancers
13. Herbal Cosmetics

**SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Standardization
15. Droplet counter current extraction
16. Percolation
17. Glycosides
18. Aloe Vera
19. Eucuelle method
20. Ash content
21. Lawsonia inermis
22. Foreign Organic Matter
23. Marker Compounds

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