

# Rajiv Gandhi University of Health Sciences

## Ph.D Entrance Examination – MARCH-2019

[Time: 90 Minutes]

[Max. Marks: 50 Marks]

**Faculty : Pharmacy**  
**Subject : Pharmacognosy**

**PAPER – II**

**Q.P. CODE: P004**

Your answers should be specific to the Questions asked.

**Answer All The Questions**

**10 X 05 = 50 Marks**

1. Explain the newer methods of extraction of medicinal and aromatic plants.
2. Explain the chemistry of cardiac glycosides.
3. Describe the development of anticancerous drugs from natural sources as lead molecules.
4. Explain different models for screening of herbs for hepatoprotective activity.
5. Explain the general methods involved in the elucidation of Alkaloids.
6. Discuss the characterization of  $\beta$ -Sitosterol by using spectroscopic methods.
7. Explain the ICH guidelines for herbal drugs.
8. Discuss the export potential of phytopharmaceuticals with examples.
9. Explain the various bioreactors employed in large scale production of secondary metabolites from plant cell cultures.
10. Define cryopreservation. Explain its applications, merits and demerits.

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