

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 15-Nov-2023

Max. Marks: 75

Time: Three Hours

Pharmacognosy and Phytochemistry - I

Q.P. CODE: 5017

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
All the Questions are compulsory.

LONG ESSAYS

2 x 10 = 20 Marks

1. Define pharmacognosy. Explain the History and Scope of Pharmacognosy.
OR
Explain in detail about factors affecting the cultivation of Medicinal plants.
2. Elaborate on Ayurveda and Homeopathic system of Medicine.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write the applications of Plant tissue culture.
OR
Explain Quantitative microscopic method in evaluation of crude drugs.
4. List the various sources of crude drugs with examples.
OR
Mention the plant hormones and give their applications.
5. Explain the conservation of medicinal plants.
6. Classify resins with examples.
7. Give the B.S, Chemical nature and uses of Cotton and Jute.
8. Give the biological source, chemistry and method of preparation of Urokinase.
9. What are Hallucinogens and Teratogens?

SHORT ANSWERS

10 x 2 = 20 Marks

10. Define Garbling in processing of crude drugs.
11. Define mutation and polyploidy.
12. What are edible vaccines?
13. Explain the different types of cell suspension cultures.
14. **What are Bioflavonoids? Write their classification.**
15. Differentiate Cardenolides from Bufadienolides
16. Differentiate Agar from Acacia by chemical tests
17. Define Proteins and enzymes.
18. Method of detection of Honey
19. Name any four anticancer marine drugs.
