

Rajiv Gandhi University of Health Sciences, Karnataka
Fourth Semester B. Pharm Degree Examination – 24-Jun-2022

Time: Three Hours

Max. Marks: 75 Marks

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. What are unorganized drugs? Discuss methods to evaluate unorganized drugs. Write a note on Adulteration of crude drugs.

OR

- What are growth regulators? Discuss Auxins and cytokinines as plant growth regulation.
2. What are Glycosides? Classify glycosides with suitable examples.

SHORT ESSAYS

7 x 5 = 35 Marks

3. What is quantitative microscopy? Explain Lycopodium Spore method in detail with an example.

OR

Write overview of historical development of plant tissue culture.

4. Write a note on factors affecting on cultivation of crude drugs.

OR

Explain 'Pancha Mahabhuta' theory in detail.

5. Write the pharmacognosy of Tragacanth.
6. Write scope and development of Pharmacognosy.
7. What are plant fibers? Give the preparation of Cotton.
8. Define polyploidy. Write the role of polyploidy on crop improvement.
9. Explain various nutritional requirements of plant tissue culture media.

SHORT ANSWERS

10 x 2 = 20 Marks

10. What is mutation? Give its types.
11. What is coppicing and felling?
12. Define and enlist Edaphic factors.
13. State four humors of body according to Unani System of Medicine
14. Explain Brontrager's test.
15. State and explain Law of Similar.
16. Define the terms: a) Callus and b) Organogenesis.
17. Give botanical source and family of Honey and Chaulmoogra oil.
18. Define Teratogens.
19. Give any two applications of Tissue Culture in Pharmacognosy.
