

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 26-Mar-2021

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 is evaluation? Explain Microscopical and chemical evaluation of crude drugs with examples.

OR

Define, classify glycoside and write the chemical test for Glycosides.

2. Define mutation and polypoidy. Explain their application in improving the quality and quantity of medicinal plants.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Plant hormones and their applications.

OR

Write a note on storage of crude drugs.

4. Write the method of preparation and uses of Papain.

OR

Briefly discuss the laboratory requirements of plant tissue culture.

5. Give the biological source, preparation and uses of Gelatin.
6. Define volatile oils. Discuss their properties.
7. Explain the suspension culture.
8. Describe chemical tests useful in differentiating Acacia and Agar.
9. Write a note on Ash value and its significance.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Write the principles of Unani system of medicine.
11. Define explants. How do you sterilize the explants?
12. Give the source and uses of Bormelain.
13. Name the macro and micronutrients in M.S Medium.
14. What are citrous Bioflavonoids?
15. Define Stomatal number and Stomatal index
16. Surgical dressing.
17. Write Goldbeater's skin test.
18. Define Hybridization.
19. Physical constants.
