

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 12-Jun-2024

Supply.

Time: Three Hours

Max. Marks: 75

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. Classify crude drugs, add a note on chemical and pharmacological classification of crude drugs with their merits and demerits.

OR

Define the terms 'polyploidy' and 'mutation'. Explain their applications.

2. Explain the Unani, Siddha and Chinese System of Medicine.

SHORT ESSAYS

7 x 5 = 35 Marks

3. Write the B.S. chemical nature and uses of Jute and Hemp.

OR

Explain the chemical test for Anthraquinone and Cardiac glycosides.

4. Define and classify Volatile oils with examples.

OR

Write general nutritional requirements of plant tissue culture.

5. Explain collection and processing of crude drugs with examples.
6. Explain the biological evaluation of crude drugs.
7. Write the determination and significance of Ash value.
8. Give the chemical tests for Acacia and Agar.
9. Discuss the principle involved in Ayurvedic system of medicine.

SHORT ANSWERS

10 x 2 = 20 Marks

10. Role of Cytokinins as plant growth regulator
11. Define Totipotency.
12. Test for tropane alkaloids
13. Difference between organized and unorganized crude drugs
14. Define Acid value.
15. What are Terpeneless volatile oils?
16. Define explant.
17. Define coppicing and felling methods.
18. What are Biofertilizers?
19. What is Micropropagation?
