

Rajiv Gandhi University of Health Sciences, Karnataka

Fourth Semester B. Pharm Degree Examination – 14-Dec-2020

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

LONG ESSAYS (Answer any Two)

2 x 10 = 20 Marks

1. Define, classify and write the properties of Volatile oils.
2. Define Adulteration of crude drugs. Explain the various methods of Adulteration and detection of adulterants in crude drugs.
3. Elaborate on Ayurveda and Unani system of medicine.

SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Give the biological source, chemistry and method of preparation of Beeswax.
5. Explain Lycopodium spore method in evaluation of crude drugs.
6. Explain the methods of cultivation with merits and demerits.
7. Explain the growth curve of Plant tissue culture.
8. Give the chemical tests for Gelatin and Tragacanth.
9. Explain Organoleptic evaluation of crude drugs with examples.
10. Explain the drying methods for crude drugs.
11. Give the biological source, chemistry and method of preparation of seratiopeptidase.
12. Write a note on different types of soil and soil fertility.

SHORT ANSWERS (Answer All)

10 x 2 = 20 Marks

13. Write the various methods of collection of barks.
14. What is Growth index?
15. Write "Keller Killiani test".
16. Give the biological source, chemistry of an antileprotic drug.
17. Name any four anti-inflammatory agents from marine source.
18. Write the general test for alkaloids.
19. Applications of cell suspension cultures
20. Define hybridization and mutation.
21. Method of detection of Honey
22. What are the sources of Carbon and Nitrogen in PTC?
