

FACULTY OF PHARMACY

B. Pharmacy IV-Semester (PCI) (Main) Examination, August 2019

Subject : Pharmacognosy and Phytochemistry-I

Time: 3 Hours

Max. Marks: 75

Note: Answer all Questions from Part-A, any Two Questions from Part-B.
and Any Seven Questions From Part-C.

PART- A (10 x 2 = 20 Marks)

1. Define organized and unorganized crude drugs and give one example for each
2. What is organoleptic evaluation
3. Give the list of plant hormones and write any four applications of plant hormones
4. What is polyploidy and write its application in cultivation of medicinal plants
5. What are edible vaccines
6. Define alkaloids and write any two identification tests for alkaloids
7. Define and classify tannins
8. Write the source and test for purity of honey
9. Write the uses of gelatin
10. What are various proteolytic enzymes and write the uses of streptokinase.

PART - B (2 x 10=20 Marks)

11. Explain about physical evaluation of crude drugs
12. Write about factors influencing cultivation of medicinal plants
13. Write the biological source, preparation and commercial utility of any three proteolytic Enzymes.

PART - C (7 x 5 = 35 Marks)

14. Write the applications of plant tissue culture
15. Write in brief about morphological and chemical classification of crude drugs
16. What are lipids. Classify them and write about castor oil
17. Write the source, chemical nature and uses of cotton and jute
18. Write a brief note on novel medicinal agents from marine sources
19. Explain about nutritional requirements in plant tissue culture
20. Define and classify glycosides and write their properties
21. Write the biological source, chemical constituents and uses of agar and bees wax
22. Explain about lycopodium spore method.
