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Total No. of Pages : 02

Total No. of Questions : 22

B.Pharma (2017 Batch) (Sem.-5)

PHARMACOGNOSY AND PHYTOCHEMISTRY II-THEORY

Subject Code : BP504T

M.Code : 76789

Time : 3 Hrs.

Max. Marks : 75

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains THREE questions carrying TEN marks each and student has to attempt any TWO questions.
3. SECTION-C contains NINE questions carrying FIVE marks each and students have to attempt any SEVEN questions.

SECTION-A**Give short answers :**

1. What are Phenylpropanoids?
2. How are Cardiac Glycosides Classified?
3. What are Volatile Oils?
4. Give the basic structure of tropane alkaloids.
5. How can you isolate volatile oils from plants?
6. Give the use and two major producers of taxol.
7. What are Terpenoids? How are they classified?
8. How will you identify if glycyrrhetic acid is present in a powdered plant material?
9. What is the difference between flavones and isoflavones?
10. Discuss the use of radioactive isotopes in the investigation of biosynthetic pathways.

SECTION-B

11. Describe the biosynthesis of cardiac glycosides.
12. How do Chromatographic techniques help in isolation and purification of plant drugs?
13. Give a detailed account on production and utilization of artemisinin and digoxin.

SECTION-C

14. Write a detailed note on principal and applications of ultrasonic assisted extraction.
15. Give the source, structure, isolation, identification and use of podophyllotoxin.
16. Write a detailed note on classification, chemistry and uses of tannins.
17. Describe the biosynthesis of terpenoids.
18. Anthraquinone glycosides are medicinally as well as commercially important, support this statement with suitable examples.
19. How do spectroscopic techniques help in the identification of phytoconstituents?
20. Describe Isolation, Identification and analysis of rutin.
21. Write a note on chemical nature, commercial and medicinal importance of volatile oils.
22. What are Glycosides? How are they extracted from plants?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.