

[Total No. of Questions - 18] [Total No. of Printed Pages - 2]
(2064)

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B. Pharmacy 4th Semester Examination

Pharmacognosy-IV (N.S.)

BP-244

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt any two questions from Section-A, Any eight questions from Section-B and all questions from Section-C.

SECTION - A

1. Explain opium pharmacognostically. (10)
2. Discuss biosynthesis of terpenoids. (10)
3. Mention biological source, morphology of following drugs:
(a) Amla (b) Bach (c) Brahmi (d) Arjuna (e) Methi (10)

SECTION - B

4. Describe source, cultivation, chemical constituents and uses of Rauioolfia (5)
5. Write a note on meralorate pathway. (5)
6. Give vernacular name, biological source, chemical constituent and uses of Apamarga. (5)
7. Explain Belladonna pharmacognostically. (5)
8. Write a note on Unani system of medicine. (5)

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9. What are general techniques for study of formation of primary and secondary metabolites. (5)
10. Give source, macroscopic features, chemical constituents, uses and varieties of Ephedra. (5)
11. Discuss various principles of Ayurvedic system of medicine. (5)
12. Write short note on Banafsha. (5)
13. Pharmacognostically explain traditional drug punarnavas. (5)

SECTION - C

14. Define asaras & arishtas.
15. What is murexide colour reaction?
16. Name any two alkaloids derived from shikimic acid pathway.
17. Name marketed formulation of shatavari and Giloe.
18. Write short note on cultivation, collection of Cinchona. (2×5=10)