

[Total No. of Questions - 14] [Total No. of Printed Pages - 2]
(2124)

1704

B. Pharmacy 5th Semester Examination

Herbal Drug Technology (NS)

BP-356

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 two questions from Section A, Eight questions from Section B and All questions from Section C. Section C is compulsory.

SECTION - A

1. What are various methods of drug extraction and describe super critical fluid extraction in detail citing its advantages over other methods. (10)
2. Describe the principle of gas chromatography and state its applications with reference to Herbal drugs. (10)
3. Describe various standardization parameters applicable to herbal drugs. (10)

SECTION - B

4. Explain the importance of herbal therapies. (5)
5. State the applications of thin layer chromatography. (5)
6. Give the analytical profile of Brahmi. (5)
7. Describe the importance of markers in the standardizations of herbal drugs. (5)

[P.T.O.]

8. Write a note on Droplet counter currents extraction and state its advantages. (5)
9. What are WHO guidelines for export of herbal drugs? (5)
10. Write a note on stabilization of liquid preparations. (5)
11. Describe the analytical profile of Withania somnifera. (5)
12. Write a brief note on herbal drug interactions with examples. (5)
13. Give the principle and applications of paper chromatography. (5)

SECTION - C

14. Write very short notes on:
 - (i) Marker constituents of Ginger.
 - (ii) Ash value.
 - (iii) Significance of activating TLC plates.
 - (iv) Constituents of liquorice.
 - (v) Advantages of HPTLC over TLC. (2×5=10)