[Total No. of Questions - 18] [Total No. of Printed Pages - 2]
(2124)

1691

B. Pharmacy 3rd Semester Examination

Pharmacognosy-III (NS)

BP-234

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 question from Section A and eight questions from Section B. All questions in Section C are compulsory.

SECTION - A

1. Explain the various methods of phyto-chemical screening. How will you screen the glycosides and alkaloids in plants?

2. What are plant bitters and sweeteners? Support your answer with suitable examples and their pharmaceutical importance.

3. Define glycosides. Discuss the anthraquinone and saponin glycosides with examples. (10×2=20)

SECTION - B

4. What are volatile oils? Write the general chemical tests and uses of citral, menthol and eucalyptol.

5. Classify Resins. Give the biological source, chemical constituents and uses of any three given below:

   (a) Jalap (b) podophyllotoxin

   (c) Tolu balsam (d) Peru balsam.

[P.T.O.]

6. Write the biological source, cultivation, collection commercial varieties, substituents, adulterants alongwith the uses of Digitalis.

7. Define carotenoids and bufadienolides. Write an account on their medicinal importance with examples.

8. Give the diagnostic macro-microscopic features, chemical tests of liquorice with its uses.

9. What are Tannins, classify them? Write the screening methods for tannins and phenolic compounds.

10. Write the chemical tests and examples of drugs containing flavonoids and cynagenetic glycosides.

11. Give the Biological source, preparation method, chemical tests and uses of papain.

12. Write the Biological source, chemical constituents and uses of any two given below:

    (a) Saffron (b) Rhubarb (c) Squill (d) Ginseng

13. Write the Biological source, chemical constituents and medicinal uses of Grymnema and Kalmegh. (5×8=40)

SECTION - C (Short Notes)

14. Preparation method and uses of pancreatin.

15. Cardioactive sterols.

16. Chenopodium.

17. Microscopic feature of psorelea.

18. Sandal wood: Medicinal Importance. (2×5=10)