

**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.*

**SECTION - A**

**Note:** Answer any two questions.

1. Write biological source, cultivation, collection, chemical constituents, diagnostic macroscopic and microscopic features and specific chemical tests of Digitalis and Senna.
2. Define volatile oil. Write different extraction methods of volatile oil. Write a brief account on Mentha and Clove
3. Write biological source, preparation, identification tests and uses of Diastase and Papain. (2×10=20)

**SECTION - B**

**Note:** Answer any eight questions.

4. Write exhaustive note on phytochemical screening of alkaloids.
5. Define and classify resin. Write a brief note on Balsam Tolu.
6. Write biological source, cultivation, collection, commercial varieties, adulterant and uses of Aloe.
7. Write biological source, preparation, identification tests and uses of Pancreatin.

8. Write an assay on non carbohydrate sweeteners.
9. Draw and write diagnostic macroscopic and microscopic feature of Rhubarb.
10. Give the biological source, morphological character, chemical constituents and uses of Lemon Grass and Cardamom.
11. Write phytochemical screening of tannins and polyphenols in plant extract with suitable example.
12. Write Biological Source, morphological character, chemical constituents and uses of Podophyllum and Capsicum.
13. Draw and write diagnostic macroscopic and microscopic feature of Psoralea and Senega. (5×8=40)

**SECTION - C**

**Note:** Write the short note on:

14. Glycoside and their chemical tests.
15. Medicinal Importance of amino acid.
16. Jalap and its medicinal importance.
17. Sandal Wood.
18. Kalmegh. (2×5=10)