

B. Pharm. Seventh Semester (C.B.S.) Examination
PHARMACOGNOSY AND PHYTOCHEMISTRY-V
(Phytopharmaceuticals/Herbal Technology)

Paper-5

Time : Three Hours]

[Maximum Marks : 80

N.B. :— (1) Question No. **1** is compulsory.

- (2) Attempt any **FOUR** questions from remaining.
- (3) Draw neat labelled diagram wherever necessary.
- (4) Assume suitable data wherever necessary.

1. Explain the following (any **FIVE**) :

- (a) Give the pharmacognostic accounts on Datura leaf.
- (b) Write a note on Green Tea.
- (c) Describe the role of medicinal plants in National Economy.
- (d) Write a short note on Nux Vomica seed.
- (e) Give the biological source, chem. Constt. chemical test, and uses of Ginko.
- (f) Give the pharmacognostic accounts on Vasaka.
- (g) Write in short importance of standardization and problems involved in it. 5×4=20

2. Define Alkaloids, classify them with suitable example and discuss their general properties. 15

3. (a) Give Biosynthetic pathway for Indole alkaloid. 8

(b) Give Pharmacognostic study of Rauwolfia. 7

4. Explain methods of Extraction, Isolation and Estimation of Ephedrin or Atropine. 15

5. What are Flavonoids ? Classify them with suitable examples and explain their general biosynthetic pathway. 15

6. Discuss general methods of screening of herbal antioxidants and antidiabetic drugs. 15

7. (a) Explain possible side effects and interaction of garlic and ginger. 5

(b) Write short notes on any **TWO** :

(1) Ergot

(2) Opium

(3) Passiflora incarnata. 5×2=10