

**First Semester Examination for the Degree
of Bachelor of Pharmacy**

**PHARMACOGNOSY AND
PHYTOCHEMISTRY – I**

1-T-5

Time : Three Hours]

[Max. Marks : 80

- N. B. : (1) Question No.1 is Compulsory.
 (2) Attempt any Four questions from the remaining.
 (3) Draw neat labeled diagram wherever necessary.
 (4) Discuss the reaction, mechanism wherever necessary.

1. Answer the following questions. (Any **Five**)

- Define and classify lipids.
- Define bark. Add a note on shape and fractures of bark.
- Describe in short about stomata.
- Explain Homeopathy system of medicine.
- Give the various chemical tests for detection of alkaloid.
- Define and classify carbohydrate with suitable examples.
- Write short note on flower. 5×4=20

- Define Adulteration. Describe different methods of adulteration with examples. 7
 - Write in detail about steps involved in preparation of crude drug for market. 8
- Describe shikmic acid pathway. Enlist the various secondary metabolites formed through it. 10
 - Define and classify proteins with suitable examples. 5
- Describe in detail various exogenous factors affecting quality and purity of crude drugs. 15
- Define pharmacognosy. Explain various system of classification of crude drugs with their advantages and disadvantages. 15
- What is photosynthesis ? Explain formation of different primary metabolites through photosynthesis. 8
 - Define trichomes Give in detail classification of trichomes with examples. 7
- Write short notes on (Any **Three**) :—
 - History of Pharmacognosy.
 - Tannins.
 - Wood.
 - Ayurveda System of medicine.
 - Fruits. 15