

TKN/KS/16-6973

**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 remain-

ing.

(3) Draw neat labeled diagram wherever neces-

sary.

(4) Discuss the reaction, mechanism wherever
necessary.

1. Answer the following questions. (Any Five)

(a) Define and classify lipids.

(b) Define bark. Add a note on shape and fractures
of bark.

(c) Describe in short about stomata.

(d) Explain Homeopathy system of medicine.

(e) Give the various chemical tests for detection of
alkaloid.

(f) Define and classify carbohydrate with suitable
examples.

(g) Write short note on flower. 5X4=20

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Contd.

2. (a) Define Adulteration. Describe different methods
of adulteration with examples. 7

(b) Write in detail about steps involved in preparation
of crude drug for market. 8

3. (a) Describe shikmic acid pathway. Enlist the various
secondary metabolites formed through it. 10

(b) Define and classify proteins with suitable examples. 5

4. Describe in detail various exogenous factors affecting
quality and purity of crude drugs. 15

5. Define pharmacognosy. Explain various system of
classification of crude drugs with their advantages and
disadvantages. 15

6. (a) What is photosynthesis ? Explain formation of
different primary metabolites through
photosynthesis. 8

(b) Define trichomes Give in detail classification of
trichomes with examples. 7

7. Write short notes on (Any Three) :-

(a) History of Pharmacognosy.

(b) Tannins.

(c) Wood.

(d) Ayurveda System of medicine.

(e) Fruits. 15

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