Printed Pages: 02 **Sub Code: RPH 530**

Paper Id: 150506 **Roll No.** | | | | | | | | | | |

B. PHARM.
(SEM V) THEORY EXAMINATION 2018-19
PHARMACOGNOSY III

Time: 3 Hours ***Total Marks: 70***

Note: Attempt all Sections.

SECTION A

1. Attempt *all* questions in brief. **2 x 7 = 14**

a. Write down in detail about identification tests for Alkaloids.

b. Chemical tests of Saponin glycosides.

c. Give the examples of Isoquinolenes and Imidazole alkaloids.

d. How to differentiate C- glycosides from O- glycosides.

e. Biological source and family of Shankhpuspi and Gokhru.

f. Write a note on gold-beater skin test.

g. Mentioned factors affecting extraction of botanicals.

SECTION B

2. Attempt any *three* of the following: **7 x 3 = 21**

a. Write down the complete Pharmacognosy of Aloe with their identification tests.

b. Write down the Biological Source, macroscopic, microscopic characters, chemical constituents & uses of Digitalis leaves.

c. Define extraction? Write a note of successive solvent extraction of crude drugs by soxhlet extractor.

d. Discuss in detail on Cynogenetic Glycosides

e. Mentioned the importance of Punarnava and Palash on Indian System of Medicine.

SECTION C

3. Attempt any *one* part of the following: 7 x 1 = 7

(a) What is alkaloid? Classify the alkaloids according to chemical structure along with suitable examples.

(b) Write a note on Glycosides? Disscuss in details about Flavonol glycosides.

4. Attempt any *one* part of the following: 7 x 1 = 7

(a) Write a note on cardiac Glycosides? Support your answer with their chemical tests.

(b) Write a note on Supercritical fluid extraction techniques. Explain with diagram.

5. Attempt any *one* part of the following: 7 x 1 = 7

(a) A brief note on Plant sweeteners? Classify and throw some light on important plant sweeteners.

(b) Classify Plant Bitters. Give the properties and discuss in details with common examples.

6. Attempt any *one* part of the following: 7 x 1 = 7

(a) Write down the properties of Tannins? Classify and support your answer with their chemical test.

(b) Write a note on

I) Kantkari

II) Chirata

7. Attempt any *one* part of the following: 7 x 1 = 7

(a) Differentiate pale catechu from black catechu. Explain in brief with their Chemical test.

(b) Write a note on

I) Gokhru

II) Liquorice