Sub Code:RPH109

Paper Id: 150117 Roll No:

B. PHARM
(SEM-I) THEORY EXAMINATION 2019-20
PHARMACOGNOSY-I

Time: 3 Hours *Total Marks: 70*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

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

a. Define Pharmacognosy. What is the old term used for Pharmacognosy?
b. Give any two differences between Simple leaves and Compound Leaves.
c. What is a Greenhouse?
d. Describe Organoleptic Evaluation of Crude Drugs.
e. Write the biological source and use of Hydnocarpus Oil.
f. What is Fiehe's test? Give significance of this test.
g. What are the techniques used to perform mutation of plant cells?

SECTION B

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

a. Describe the History of Pharmacognosy with reference to Indian, Chinese and European civilizations.
b. Write a detailed account on Leaf Morphology.
c. Explain Polyploidy and other biotechnological methods for Improvement of crude drug quality.
d. Explain the microscopic evaluation of crude drugs.
e. Describe the Pharmacognosy of Isabgol in detail.

SECTION C

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

(a) What are the Sources of Crude Drugs? Describe the Scope and Development of Pharmacognosy.
(b) Discuss Chemical, Pharmacological and Chemotaxonomical Classification of Crude Drugs.

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

(a) Discuss the morphology of flowers and it's inflorescence.
(b) Describe the morphology and microscopy of Bark and Wood.

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

(a) Illustrate the use of all the plant growth regulators in cultivation.
(b) Discuss the effect of environmental parameters in cultivation of crude drugs.

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

(a) What is Quantitative Microscopy? Discuss in detail about Lycopodium Spore Method.
(b) Describe the chemical and pharmacological classification of crude drugs.

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

(a) Write the biological source, chemical constituents and uses of Agar and Acacia.
(b) Discuss the Pharmacognosy of Beeswax and Kokum Butter.

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