

Paper Id:

150117

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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.