

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

*Time: 3 Hours**Total Marks: 70***Note:** Attempt all Sections.**SECTION A**

- 1. Attempt all questions in brief.** **2 x 7 = 14**
- a. Mentioned Biological source and uses of Cod liver oil.
 - b. Define Inflorescence?
 - c. Define Stomatal Index?
 - d. Ideal properties of pesticides.
 - e. What are sessile flowers?
 - f. Define Plant Tissue Culture techniques.
 - g. Write down the chemical test for carbohydrates

SECTION B

- 2. Attempt any three of the following:** **7 x 3 = 21**
- a. Elaborate historical background and modern scope of Pharmacognosy
 - b. What are the different systems of Classification of crude drugs? Discuss the system based on chemical constituents.
 - c. Write down the Pharmacognostic details of Linseed oil & Kokum butter.
 - d. What is Polyhouse? Write a note on the Green House effect.
 - e. Discuss the morphology and anatomy of leaves. Explain with a diagram.

SECTION C

- 3. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Why evaluations of crude drugs are necessary? Discuss Evaluation of Crude drugs based on Microscopy.
 - (b) Mineral drugs: as a source of drugs. Support your answer with examples.
- 4. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Define pests? Gives the various methods used for management of Pests control.
 - (b) What are the parameters are involved during the evaluation of herbal drugs? Discuss in details about the Physical method of evaluation of crude drugs.
- 5. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Write a note on Adulteration of crude drugs with suitable examples.
 - (b) Write a note on Stomata. Mentioned various types of Stomata presents in typical leaves. Explain with diagram and examples.
- 6. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Define pests? Gives the various methods used for management of Pests control.
 - (b) Give the official source, Morphology, chemical composition and uses of Cod liver oil, shark liver oil
- 7. Attempt any one part of the following:** **7 x 1 = 7**
- (a) Write down the application of Auxins and Gibberellins. Discuss in detail
 - (b) Write a note on
 - I) Polyploidy
 - II) Hybridization