

Paper Id:

150303

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

Time: 3 Hours**Total Marks: 75****Note:** Attempt all Sections. If you require any missing data, choose suitably.

SECTION A

- 1. Attempt all questions in brief. 10 x 2 = 20**
- a. Define Pharmacognosy.
 - b. What is taxonomical classification system of crude drugs?
 - c. What is polyploidy?
 - d. What is the role of auxin in plant?
 - e. Enlist various plant tissue cultures.
 - f. What is totipotency?
 - g. What is *Tridosh* theory in Ayurveda?
 - h. What are alkaloids?
 - i. What is biological source of cotton?
 - j. What is the pharmaceutical significance of gelatin.

SECTION B

- 2. Attempt any two parts of the following: 2 x 10 = 20**
- a. What are various types of adulterations involved with herbal drug? Write a detailed note on physical evaluation of crude drugs.
 - b. What are various factors affecting cultivation of medicinal plants? Discuss with suitable examples.
 - c. What are various nutritional requirements of plant tissue culture?

SECTION C

- 3. Attempt any five parts of the following: 7 x 5 = 35**
- a. Discuss scope & historical developments of Pharmacognosy.
 - b. What is hybridization? How it is significant in plant cultivation?
 - c. Write a brief note on edible vaccines.
 - d. Discuss Ayurvedic system of medicine and its role of pharmacognosy.
 - e. Define glycosides? Give its classification.
 - f. Discuss pharmacognostic profile of Honey.
 - g. Write a note on novel medicinal agents from marine sources.