Printed Pages: 01 **Sub Code: RPH209**

Paper Id: 150279 **Roll No.** | | | | | | | | | | |

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

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

Note: 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.
b. What is plant tissue culture?
c. What is inflorescence?
d. Define hybridization.
e. What is the significance of determining stomatal number and index?
f. What is pharmaceutical use of tragacanth?
g. What is the source of wool fat?

SECTION B

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

a. Discuss scope & historical developments of pharmacognosy.
b. Discuss in detail anatomy of leaves with labelled diagram.
c. What are various factors affecting cultivation of medicinal plants? Give suitable examples.
d. Write in detail about various parameters involved with physical evaluation of crude drugs.
e. Discuss detailed pharmacognosy of honey & castor oil.

SECTION C

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

(a) Elaborate marine sources of crude drug with suitable examples.
(b) What is the difference between organized & unorganized drug? Write a note on taxonomical classification system of crude drugs.

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

(a) Discuss morphology & anatomy of wood.
(b) Discuss morphology & anatomy of bark.

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

(a) Write a note on various Pests & their management.
(b) What is the significance & construction of Green houses for cultivation?

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

(a) What are various adulterations involved with crude drugs? How microscopic evaluation helps in their detection?
(b) Write a detailed note on chemical evaluation of crude drugs with suitable examples.

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

(a) Discuss pharmacognosy of isabgol.
(b) Write biological source, chemical constituents & uses of beeswax.