Printed pages: 01   **Roll No.** ☐☐☐☐☐☐☐☐☐☐   **Sub Code: RPH109**

Paper ID: **5 0 1 1**

B PHARM
(SEM I) THEORY EXAMINATION 2017-18
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) Give the definition of Pharmacognosy.
(b) Enlist any four sources of drug with examples.
(c) Give the Floral formula of Family Solanaceae and Rutaceae.
(d) Explain the term Stomatal Index.
(e) Differentiate between Fixed oil and Volatile oils.
(f) Give the Biological source, chemical constituents and uses of honey.
(g) Enumerate the factors influencing cultivation of medicinal plants.

SECTION B

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

(a) Write a detail note on plant tissue culture as source of crude drugs. What are the plant hormones used in PTC.
(b) Write floral formula and floral character, with suitable example of medicinal plants of umbelliferaeae family.
(c) Discuss in detail the pest control methods with suitable examples.
(d) Define Lipid. Discuss in detail about Caster Oil and Beeswax.
(e) Discus the chemical classification of crude drugs with examples and its importance.

SECTION C

3.   Attempt any *one* part of the following: **7 x 1 = 7**
(a) Write the importance of polyploidy in cultivation of medicinal plants.
(b) Explain the role of Auxin and its application as phytohormones.

4.   Attempt any *one* part of the following: **7 x 1 = 7**
(a) Define soil fertility and write the types of soil used in cultivation.
(b) Discuss in detail about types of stomata.

5.   Attempt any *one* part of the following: **7 x 1 = 7**
(a) Write a short note on calcium oxalate and its types.
(b) Define Adulteration of crude drugs and their detection by physical methods.

6.   Attempt any *one* part of the following: **7 x 1 = 7**
(a) Give biological source and chemical constituents of any Agar and Tragacanth
(b) Write important chemical constituents and uses of Isabgol drug.

7.   Attempt any *one* part of the following: **7 x 1 = 7**
(a) Write a detail note on Starch.
(b) Write a short note poly houses.