



Paper id: 252115

Printed Page: 1 of 1

Subject Code: BP405T

Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

BPHARM
(SEM IV) THEORY EXAMINATION 2024-25
PHARMACOGNOSY I – THEORY

TIME: 3 HRS**M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A**1. Attempt all questions in brief.****10 x 2 = 20**

a.	What is the role of camera lucida in microscopy?
b.	Write any two methods of evaluation of crude drugs.
c.	What is callus culture?
d.	Write any two tests for identification of tannins or flavonoids.
e.	What are leaf constants? Give any one example.
f.	What is taxonomical classification of drugs?
g.	Give any two identification tests for alkaloids.
h.	Define totipotency.
i.	Name any two natural fibers used in pharmacognosy and their sources.
j.	Name two examples of plant growth hormones.

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

a.	Define Pharmacognosy. Explain its history, scope, and development in detail.
b.	Explain the historical development, types, and nutritional requirements of plant tissue culture.
c.	Discuss the chemical nature, uses, and pharmaceutical importance of any four: Acacia, Agar, Honey, Gelatin, Papain, or Castor oil.

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

a.	Differentiate between organized and unorganized crude drugs with example
b.	Explain the role of plant hormones (auxins, cytokinins, gibberellins) in cultivation.
c.	What are edible vaccines? Explain their preparation and applications.
d.	Explain adulteration in crude drugs and its types.
e.	Define secondary metabolites. Classify them and write properties of glycosides and flavonoids.
f.	Describe the source, composition, and pharmaceutical applications of any two of the following: Honey, Wool fat, Beeswax, Casein.
g.	What are the various factors influencing cultivation of medicinal plants? Explain briefly.