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BPHARM
(SEM IV) THEORY EXAMINATION 2023-24
PHARMACOGNOSY I – THEORY

TIME: 3HRS**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.	Define the term pharmacognosy.
b.	Define plant tissue culture technique.
c.	What is oleo-resin and oleo-gum resin.
d.	Differentiate primary and secondary metabolites.
e.	Differentiate organized and unorganized drugs with example.
f.	What are edible vaccines.
g.	Give significance of pharmaceutical aids.
h.	What do you mean by the term adulteration?
i.	Enumerate physico- chemical properties of alkaloids.
j.	Enlist identification test for alkaloids.

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

a.	Give definition, classification, physico- chemical properties and identification tests for tannins.
b.	Discuss about different factors affecting cultivation of crude drugs with suitable examples.
c.	What are various steps of plant tissue culture? How it is useful in pharmaceuticals?

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

a.	What are Teratogens? How they differ from natural allergens?
b.	Write a note on nutritional requirements and growth of plant tissue culture.
c.	Write a note on novel medicinal agents from marine sources.
d.	Give definition, classification, properties and test for identification of glycosides.
e.	Elaborate conservation of medicinal plants.
f.	Discuss about plant hormones with its applications in pharmacognosy.
g.	Role of Pharmacognosy in allopathy and Chinese systems of medicine.