Subject Code: BP405T

PAPER ID-411489

Roll No:

BPHARMA
(SEM IV) THEORY EXAMINATION 2023-24
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.	Define the term totipotency.
b.	Stomatal index and lycopodium spore method calculate by which formula.
c.	Enlist different methods of propagation.
d.	Define the term enzymes.
e.	Differentiate organized and unorganized crude drug with examples.
f.	What do you mean by the term fibers?
g.	Enlist plant growth regulators.
h.	Enumerate physico- chemical properties of alkaloids.
i.	Mention general identification test for alkaloids.
j.	Give biological source of acacia and agar.

SECTION B

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

a.	What do you mean by the term secondary metabolites? Discuss a detail note on volatile oil.
b.	Write short note on below mention with reference to medicinal plants. a) Polyploidy b) Mutation
c.	Evaluation is necessary? How can you evaluate crude drug on the basis of morphological, chemical, taxonomical and biological methods?

SECTION C

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

a.	Define the term pharmacognosy. Mention its scope in pharmacy.
b.	Define plant tissue culture? Give application of plant tissue culture in pharmacognosy.
c.	Explain role of ayurvedic, allopathy and Chiniese system of medicine in Pharmacognosy
d.	Give definition, classification, properties and test for identification of flavonoids.
e.	Discuss about factors affecting cultivation and collection of medicinal plants.
f.	What are lipids? Give pharmacognostic study of wool fat and castor oil.
g.	What are primary metabolites give pharmacognostic study of tragacanth and honey.