



PAPER ID-411524

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Subject Code: BP405T

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BPHARM
(SEM IV) THEORY EXAMINATION 2021-22
PHARMACOGNOSY I – THEORY

Time: 3 Hours

Total Marks: 75

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

SECTION A

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1. Attempt *all* questions in brief.

10 x 2 = 20

a.	Define Stomatal Index and Palisade Ratio.
b.	Give two examples of each of Tropane alkaloids and Saponin Glycosides.
c.	How does Colchicine induce Polyploidy in Plants?
d.	Classify plant growth promoters.
e.	Differentiate between callus culture and suspension culture.
f.	Give a short note on nutrient requirement of culture media for plant tissue culture.
g.	Compare the Ayurvedic formulations-Asava and Arishta.
h.	What are flavonoids? Give examples.
i.	Differentiate between yellow and white beeswax.
j.	Write the source and uses of Bromelain.

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SECTION B

2. Attempt any *two* parts of the following:

2 x 10 = 20

a.	Discuss the history, scope and development of Pharmacognosy.
b.	Write a exhaustive note on Homeopathy and Ayurvedic system.
c.	Give the biological source, chemical constituents and uses of any four of the following: https://www.aktuonline.com (i) Tragacanth (ii) Gelatin (iii) Beeswax (iv) Papain (v) Castor Oil

SECTION C

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3. Attempt any *five* parts of the following:

7 x 5 = 35

a.	Give the functions and applications of Auxins and Cytokinins.
b.	Explain the chemical and pharmacological classification of crude drugs.
c.	Explain novel medicinal agents from marine sources.
d.	Explain the method of preparation and application of edible vaccines
e.	Compare the various types of hybridization techniques in medicinal plants.
f.	Explain the characteristic features, classification and tests for identification for glycosides.
g.	Discuss the various applications of PTC.

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