

Roll No:

--	--	--	--

B PHARM
(SEM V) THEORY EXAMINATION 2020-21
PHARMACOGNOSY AND PHYTOCHEMISTRY -II

Time: 3 Hours

Total 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.	General chemical tests for terpenoids.
b.	Specific identification test for caffeine.
c.	Therapeutic and commercial applications of senna and vinca.
d.	Applications of chromatography in the identification of crude drugs.
e.	Applications of amino acid pathway.
f.	Biosources of catechu and Asafoetida.
g.	Composition and therapeutic uses of gentian and benzoin
h.	Estimation of sennosides.
i.	Different species of senna.
j.	Chemical tests for resins.

SECTION B

2. Attempt any twoparts of the following:

2 x 10 = 20

a.	Application of Chromatographic techniques in the isolation, purification and identification of crude drugs.
b.	Industrial production, estimation and utilization of caffeine and forskolin
c.	Isolation, Identification and Analysis of Menthol.

SECTION C

3. Attempt any fiveparts of the following:

7 x 5 = 35

a.	Shikimic Acid Pathway.
b.	Pharmacognostical study of Lignans.
c.	Isolation and Analysis of Curcuma.
d.	Industrial production and estimation of Artinisinin..
e.	Application of HPTLC on the isolation and identification of crude drugs.
f.	Composition, chemical class and therapeutic uses of pterocarpus.
g.	Isolation of Rutin and Citral.