



PAPER ID-411458

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MPHARM
(SEM II) THEORY EXAMINATION 2023-24
ADVANCED PHARMACOGNOSY-II

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 foreign matter in herbal formulations? Give suitable examples.
b.	What are the various pharmacokinetic factors affecting the herbal remedies?
c.	Write down the analytical marker and medicinal uses of Psoralea and Curcuma.
d.	What do you understand by efficacy of herbal natural products?
e.	Define phytotoxins. Name any two methods of their detection.
f.	What are the sources of heavy metals in herbal formulations?
g.	Enlist the <i>in-vitro</i> models for evaluation of antimicrobial and anticancer drugs.
h.	What is the difference between adulteration and deterioration in herbal products?
i.	How bio prospecting tools helps in drug discovery of new herbal compounds?
j.	Write down the advantages of herbal remedies over conventional drugs.

SECTION B

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

a.	Write a detail note on the methods of detection of pesticidal residues and microbial contamination in herbal formulations.
b.	Give analytical profile of any two 1. <i>Boswellia serrata</i> 2. <i>Andrographis paniculata</i> 3. <i>Coleus forskholii</i>
c.	What is phyto-pharmacological screening? Discuss various <i>in-vivo</i> models studied in screening of anti-diabetic action of herbal drugs.

SECTION C

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

a.	Write about the assessment of acute toxicity studies as per OECD guidelines.
b.	Write a note on validation of herbal therapies.
c.	Write down the causes and types of drug adulteration.
d.	How reverse pharmacology plays an important role in drug discovery and development?
e.	Give the scope of DNA finger printing technique in Herbal drug analysis.
f.	Discuss the new strategies for screening of natural products.
g.	Give the significance of ethanopharmacological studies in drug evaluation.