



PAPER ID-411507

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Subject Code: MPG102T

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

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.	Give the health benefits of Ginseng as Nutraceuticals.
b.	What do you understand by Chemical Markers? Give suitable examples.
c.	Write down the harvesting techniques under good collection practices.
d.	What is the difference between <i>in-situ</i> and <i>ex-situ</i> cultivation of medicinal plants?
e.	What is taxonomical identification of marine natural products?
f.	Give the occurrence and chemical nature of carotenoids.
g.	What is bio drug-food interactions? Give suitable examples.
h.	What is difference between functional foods and herbal supplements?
i.	Give any two examples each of antioxidants and polyunsaturated fatty acids as Nutraceuticals.
j.	Write down the chemical nature and medicinal uses of saponins.

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

a.	Define the term 'Nutraceuticals'. Explain the different categories of nutraceuticals with examples and future scope in management of various health illness.
b.	Describe the occurrence, isolation scheme, chemical nature and health benefits of Quercetin and Tocopherols as phytopharmaceuticals.
c.	Explain the general methods of isolation and purification of marine drugs from natural sources. Write down the problems faced in research on marine drugs.

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

a.	What are the AYUSH guidelines for safety monitoring of natural medicine?
b.	Give the occurrence, isolation and characteristic feature of Limonoids.
c.	Write down the current good cultivation practices of medicinal plants.
d.	Discuss the importance of pharmacognosy in future aspects of Herbal drug industry.
e.	What do you understand by spontaneous reporting schemes for bio-drug adverse reactions? Give suitable examples.
f.	Write down the occurrence, chemical markers and health benefits of any two- a. Turmeric b. Garlic c. Spirulina
g.	Write a note on Health drinks of natural origin as nutraceuticals.