Subject Code: MPG102T

Roll No:

MPHARM
(SEM I) THEORY EXAMINATION 2021-22
ADVANCED PHARMACOGNOSY- I

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.	How will you identify and authenticate the crude drugs?
b.	Differentiate between *ex-situ* and *in-situ* conservation of plants.
c.	Write about Marine toxins.
d.	Give any two examples of cardiovascular agents obtained from marine source.
e.	Compare Prebiotics and Probiotics.
f.	Write the source and uses of Spirulina and Black Cohosh.
g.	Give the chemical structure of Resveratrol and Quercetin.
h.	Describe the role of antioxidants as nutraceuticals.
i.	What do you understand by "Pharmacovigilance of natural drugs"?
j.	Mention any two examples of Herb-Drug interactions.

SECTION B

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

a.	Describe the Good Agricultural Practices.
b.	Write the sources, name of marker compounds and health benefits of any four of the following: (i) Ginseng (ii) Garlic (iii) Broccoli (iv) Turmeric (v) Flax seeds
c.	Discuss the occurrence, isolation and characteristics of any two of the following: (i) Tocopherols (ii) Withanolides (iii) Shatavarins

SECTION C

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

a.	Explain the general methods for the isolation and purification of natural products from marine sources.
b.	Explain bio drug-drug and bio drug-food interactions with suitable examples
c.	Discuss the current good collection practices.
d.	Justify the statement "Research in marine drugs is a very challenging task".
e.	Explain the regulatory aspects of nutraceuticals.
f.	Describe the chemistry and pharmacology of flavonoids.
g.	Explain WHO and AYUSH guidelines for safety monitoring of natural medicine.