Subject Code: MPG104T

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Roll No: | | | | | | | | | | | | | |

MPHARM

(SEM I) THEORY EXAMINATION 2023-24

INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY

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.	Draw a general plant design for the herbal drug industry.
b.	Recall the inception of TRIPS.
c.	Enlist the parameters given in IP under the monograph of a crude drug.
d.	Recall conditions for accelerated stability tests.
e.	Explain geographical indication.
f.	Enlist various challenges in the production of herbal extracts.
g.	State the key feature in breeder's rights under the Indian patent act.
h.	Define the significance of Ash Value.
i.	Define "SOP".
j.	Recall various tenures for which different patents can be granted.

SECTION B

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

a.	Discuss the infrastructure of herbal drug industry involved in production of standardized extracts.
b.	Write a note on GMP in herbal industry.
c.	Give a comparative note on various herbal pharmacopoeias.

SECTION C

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

a.	Elaborate clinical laboratory testing of natural products.
b.	Recall the steps involved in patenting herbal products.
c.	Discuss pilot plant scale-up techniques.
d.	Write a note on EXIM policy.
e.	Discuss WHO guidelines in the quality assessment of herbal drugs.
f.	What are various climatic zones? Elaborate on their impact on stability tests.
g.	Discuss two case studies on patents, their opposition, and revocation.