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

MPHARM
(SEM I) THEORY EXAMINATION 2021-22
INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY

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. Give significance of ISO-9000.

b. State the features of "Standardized extracts"

c. Define entrepreneurship.

d. Write full form of TRIPS.

e. Give salient features of Project report.

f. Comment upon "Copyright".

g. Describe storage conditions for accelerated stability testing of herbal drugs.

h. What do you mean by EXIM policy?

i. Explain the importance of prior art search in filing of patents.

j. What is meant by "SOP"?

SECTION B

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

a. Explain in detail about layout, basic infrastructural needs of a herbal drug industry for production and standardization of herbal products.

b. Discuss current challenges in upgrading and modernization of herbal formulation.

c. Explain the stages of patent filing, processing and grant of patent.

SECTION C

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

a. Describe the pilot plant scale-up techniques for herbal formulations industry.

b. Discuss about capital venture.

c. Write a comparative study between IP and USP.

d. Discuss the clinical laboratory testing of natural products.

e. Write about the Geographical indication.

f. Enlist patentable inventions.

g. Discuss the various methods of stability testing of natural products.