

PARUL UNIVERSITY
FACULTY OF PHARMACY
M. Pharm. Winter 2022 - 23 Examination

Semester: I
Subject Code: MPG104T
Subject Name: Industrial Pharmacognostical Technology

Date: 20/03/2023
Time: 10:00am to 1:00pm
Total Marks: 75

Instructions:

1. Figures to the right indicate maximum marks.
2. Make suitable assumptions wherever necessary.

Q.1 Essay Type Questions. (any 2 out of 3) (15 Marks Each) (30)

1. a) Describe the infrastructure required for an herbal drug industry involved in standardized extracts and various dosage form production.
b) Outlay the minimum regulatory requirements for setting an herbal drug industry.
2. a) Write a note on WHO guidelines for quality assessment of herbal drugs.
b) Explain the stability testing protocol for natural products.
3. Explain in detail about the procedures and processing involved for filing an Indian patent.

Q.2 Short Essay Type Questions. (any 5 out of 6) (5 Marks Each) (25)

1. Explain the pilot plant technique.
2. Write a note on GMP.
3. Compare and analyse the parameters for herbal drugs in Ayurvedic and Siddha Pharmacopoeia.
4. Detail the clinical laboratory testing protocol for natural products.
5. Explain the minimum requirements for filing a patent.
6. Elaborate the current challenges in upgrading and modernization of herbal formulations.

Q.3 Short Answers. (2 Marks Each) (20)

1. What is a capital venture?
2. What do you understand by Entrepreneurship?
3. Explain EXIM policy.
4. Write the importance of GLP.
5. Distinguish USP and American herbal pharmacopoeia
6. Explain the importance of monographs.
7. What is an accelerated stability study?
8. Enlist the phases of clinical studies with description of each phase.
9. Define non obviousness.
10. What does a revocation of patents mean?