

**First Semester M.Pharm Degree Regular/Supplementary Examinations  
April 2025  
M.Pharm (Pharmacognosy)  
Paper IV - Industrial Pharmacognostical Technology (MPG 104T)  
(Common for 2019 and 2024 Scheme)**

**Time: 3 Hours**

**Total Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(3x10=30)**

1. Discuss the design, layout and operational facilities for herbal formulation unit
2. What are the guidance and regulatory requirements for setting an herbal drug industry in India
3. Describe about the standard protocol followed for the stability testing of natural products

**Short Notes**

**(9x5=45)**

4. Give in detail methods involved in standardization of herbal extracts
5. Discuss briefly about global marketing management of herbal drugs
6. Explain the trading policy for natural medicinal products in international market
7. GMP of botanicals
8. American herbal pharmacopoeia
9. Explain the typical problems and challenges faced in quality assessment of herbal drugs
10. Factors affecting stability for herbal drugs and its formulation
11. What is a patent and mention the types of patent
12. Define the following term: copyright, trademark

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