

**QP CODE: 114330**

**Reg. No:.....**

**First Semester M.Pharm Degree Regular/Supplementary Examinations  
April 2023  
M.Pharm (Pharmacognosy)**

**Paper IV - Industrial Pharmacognostical Technology (MPG 104T)  
(Common for 2017 and 2019 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 about the various parameters of monographs of herbal drugs
2. Discuss on good manufacturing practice in the quality assurance of natural products
3. Describe in detail about the clinical laboratory testing of herbal medicines

**Short Notes**

**(9x5=45)**

4. Total quality management
5. Lay out and construction of herbal drug industry
6. Formulation and production management of herbals
7. Patent processing
8. Stability testing of natural products
9. Geographical identification of medicinal plants
10. Pilot plant scale up techniques
11. Export and import (EXIM) policy
12. Concepts of ISO 9000.

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