

QP CODE: 114330

Reg. No:.....

**First Semester M.Pharm Degree Regular/Supplementary Examinations**  
**March 2020**  
**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. Explain the current challenges in upgrading and modernization of herbal formulations.
2. Discuss the regulatory requirements for setting herbal drug industry.
3. Describe the general parameters of monographs of herbal drugs

**Short Notes**

**(9x5=45)**

4. Stability testing of natural products.
5. Explain some guidelines of WHO in quality assessment of herbal drugs.
6. Geographical indication.
7. Patent search.
8. Copyright.
9. Pilot plant scale up techniques in herbal drug industry.
10. ISO-9000.
11. Ayurvedic pharmacopoeia.
12. TRIPS.

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