

**QP CODE: 114330**

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

**First Semester M.Pharm Degree Regular/Supplementary Examinations  
November 2021**

**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 in detail the general parameters of monographs for herbal drugs.
2. Describe in detail WHO guidelines in quality assessment of herbal drugs
3. Why are clinical studies are important for herbal drugs. Discuss about the stability testing for herbal drugs

**Short Notes**

**(9x5=45)**

4. Procedure for opposition and revocation of patents
5. Case studies of herbal extracts
6. Indian Patent Law
7. Challenges in the development of herbal drugs
8. Concept of Total Quality Management
9. Design of herbal plant
10. ISO-9000 and its importance
11. Copy right and patent controllers
12. Guidelines for the preparation of project report

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