

**QP CODE: 114330**

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

**First Semester M.pharm Degree Examinations April 2018**

**M.Pharm (Pharmacognosy)**

**Paper IV - Industrial Pharmacognostical Technology (MPG 104T)**

**Time: 3 Hours**

**Total Marks: 75**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(3x10=30)**

1. Describe a summary on stability testing of natural products
2. Describe in detail about regulatory requirements for setting drug industry
3. Discuss on Indian and international patent laws

**Short Notes**

**(9x5=45)**

4. Concepts of ISO 9000
5. Pilot plant scale up techniques
6. Clinical laboratory testing of natural products
7. Export and import (EXIM) policy
8. Good manufacturing practice
9. General parameters of monographs of herbal drugs
10. Geographical indication of crude drugs
11. Challenges in upgrading and modernization of herbal formulations
12. Case studies of herbal extracts.

\*\*\*\*\*