

GUJARAT TECHNOLOGICAL UNIVERSITY
M.PHARM – SEMESTER -1 - EXAMINATION –WINTER - 2018

Subject Code: MPG104T**Date: 07/01/2019****Subject Name: Industrial Pharmacognostical Technology****Time :10:30 AM TO 01:30 PM****Total Marks: 80****Instructions:**

- 1. Attempt any five questions.**
- 2. Make Suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

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| Q.1 | (a) | Define herbal drug industry. Write a note on infrastructure in production of standardized extract of various dosage forms. | 06 |
| | (b) | Write a concept of TQM, ISO-9000. | 05 |
| | (c) | What is a monograph of herbal drugs? Give its parameter. | 05 |
| Q.2 | (a) | Discuss on proposed amendments as application to herbal products. | 06 |
| | (b) | Write down the procedure of Indian patent filing. | 05 |
| | (c) | Write a note on WHO guidelines in quality assignment of herbal drugs. | 05 |
| Q.3 | (a) | Define patent write a concept of Indian and international patent law | 06 |
| | (b) | Discuss the herbal medicines. | 05 |
| | (c) | Write a note on formulation and production management of herbals | 05 |
| Q.4 | (a) | What is regulatory requirements for setting herbal drug industry. | 06 |
| | (b) | Write a note on ayurvedic pharmacopoeia and British herbal pharmacopoeia | 05 |
| | (c) | Define herbal medicine. Write a short note on clinical laboratory testing. | 05 |
| Q.5 | (a) | Define the term
I. Copyright
II. Utility
III. Novelty | 06 |
| | (b) | Write a note on pilot plant scale-up techniques of herbal extracts. | 05 |
| | (c) | What is patent law? Write down the application of Indian and international patent law as applicable. | 05 |
| Q. 6 | (a) | Discuss on stability testing of natural products. | 06 |
| | (b) | Explain entrepreneurship development and plant design. | 05 |
| | (c) | Write a note on global marketing management | 05 |
| Q.7 | (a) | Differentiate between Indian pharmacopeia and American pharmacopeia | 06 |
| | (b) | Differentiate between GMP and GLP | 05 |
| | (c) | Write a note on EXIM policy and TRIPS in herbal drug products | 05 |
