

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM- SEMESTER-VIII • EXAMINATION – SUMMER-2017

Subject Code: 2280005**Date: 06/05/2017****Subject Name: Pharmacognosy-VI****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) Discuss at length the method of Isolation of Quinine. | 06 |
| | (b) Write the identification test and estimation of Quinine. | 05 |
| | (c) Write a note on Isolation of Penicillin. | 05 |
| Q.2 | (a) Write the method of Isolation of Glycyrrhetic acid. | 06 |
| | (b) Brief note on Identification and Estimation of Sennoside. | 05 |
| | (c) Write on sources, isolation and identification of podophyllotoxin. | 05 |
| Q.3 | (a) Discuss in details process, advantage and applications of counter current extraction. | 06 |
| | (b) Give principle and application of Ultrasound assisted extraction. | 05 |
| | (c) Write a note on principle and method of super critical extraction method. | 05 |
| Q.4 | (a) Write a short note on modified large scale maceration methods. | 06 |
| | (b) Enlist parameters for estimation of phytoconstituents by quantitative chemical methods. Explain any two methods | 05 |
| | (c) Discuss in brief evaluation of herbal Extract. | 05 |
| Q.5 | (a) What is Quality management system? Write a note on principles of ISO 9000 standards. | 06 |
| | (b) Write a note on Quality control requirements and distribution of records for Ayurvedic, Unani and homeopathic medicine as per Schedule-T. | 05 |
| | (c) Write a role and use of herbal Anti-diabetic drugs in modern therapeutic management. | 05 |
| Q. 6 | (a) What are the cGMP requirement in India for the manufacturing of sterile Ayurvedic preparation? | 06 |
| | (b) Enlist the equipment's and area requirement for enhance quality control section as per cGMP requirement for Ayurvedic, Unani and Homeopathic medicine. | 05 |
| | (c) What is herbal pharmacovigilance? Write a note on need and objectives of the herbal pharmacovigilance. | 05 |
| Q.7 | (a) Discuss method of Isolation of Morphine. | 06 |
| | (b) Write Identification and estimation of Beta-carotene | 05 |
| | (c) Write a note on scope of herbal drug industries with respect to Indian Market. | 05 |
