

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.

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
