

Enrollment No./Seat No.:

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER - VIII EXAMINATION - WINTER 2025

Subject Code: 2280005

Date: 21-11-2025

Subject Name: Pharmacognosy-VI

Time: 02:30 PM TO 05:30 PM

Total Marks: 80

Instructions

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

	Marks
Q.1 (a) Discuss the WHO guidelines for standardization of phytopharmaceuticals.	06
(b) Give a brief account on Soxhlet extraction with well labeled diagram.	05
(c) Discuss in brief concept of GMP in herbal drug industry.	05
Q.2 (a) Describe the role of TLC in the analysis of herbal drug.	06
(b) Write a note on Phytopharmacovigilance.	05
(c) Write a note on natural products used as Anticancer agents.	05
Q.3 (a) Write natural sources of Sennosides and the method of isolation of Sennosides.	06
(b) Write a note on scope of herbal drug industries with respect to Indian market.	05
(c) Write a note on principles of ISO – 9000 in herbal drug industries.	05
Q.4 (a) Name the different herbs and their active constituents, which are useful as memory enhancer.	06
(b) Discuss the natural products used for removal of kidney stone.	05
(c) Write a note on natural products used as hypolipidemic and anti-asthmatic.	05
Q.5 (a) Write a note on following Extraction methods	06
i. Decoction	
ii. Percolation	
(b) Write a note on natural products used as Hepatoprotective and Tranquilisers.	05
(c) Enlist the various plant used as Antidiabetics and Immunomodulators.	05
Q.6 (a) Discuss the application HPTLC and GCMS in analysis of phytopharmaceuticals.	06
(b) State the major sources of Curcumin and the method of isolation of. Curcumin.	05
(c) Write different isolation and identification methods for Quinine.	05
Q.7 (a) Discuss isolation methods of Reserpine and Vitamin-A.	06
(b) Write a note on Isolation and identification methods of Caffeine.	05
(c) Write note on Isolation and analysis of Penicillin.	05
