

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B. Pharm. - SEMESTER-8 • EXAMINATION – SUMMER -2018

Subject Code: 2280014

Date: 09/05/2018

Subject Name: Commerce of herbs and Phytoconstitutents

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) Write contribution of Vinca alkaloids in modern drug discovery.	06
	(b) Describe in brief International trade of the herbal drugs.	05
	(c) Write note on Wild harvesting.	05
Q.2	(a) Explain world-wide trade in medicinal plant Senna and aloe.	06
	(b) Give the industrial uses of morphine and atropine.	05
	(c) Write note on standardization of Herbal Drug.	05
Q.3	(a) Write Industrially important aromatic plants and their derived products.	06
	(b) How to isolate, identify and analyze the curcumin.	05
	(c) Explain drug registration for export import.	05
Q.4	(a) Write WHO guidelines on good agricultural and collection practices for medicinal plants.	06
	(b) Explain the various methods of standardization of herbal drugs.	05
	(c) Write overview of drug molecules discovered from natural products.	05
Q.5	(a) Write note on Intellectual Property Rights (IPR).	06
	(b) Write short note on cultivation of medicinal plants.	05
	(c) Explain constraints to the development of trade of medicinal plants.	05
Q. 6	(a) Explain WHO guidelines on good manufacturing practices for the manufacture of herbal medicines.	06
	(b) Give the detail pharmacognosy of taxol.	05
	(c) Write short note on production, supply and distribution medicinal plants.	05
Q.7	(a) Write Medicinal plant based industries in indigenous system of medicine (ISM).	06
	(b) What are the staff requirements for the herbal drug industry?	05
	(c) Explain detailed study of ephedrine in drug discovery.	05
