

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 8 EXAMINATION – SUMMER -2019

Subject Code: 2280014

Date: 18-05-2019

Subject Name: Commerce of herbs and Phytoconstituents

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 a note on WHO guidelines on good agricultural and collection practices (GACP) for medicinal plants.	06
	(b)	Discuss role of natural products in drug discovery.	05
	(c)	Discuss scope of medicinal plant based industries in India.	05
Q.2	(a)	Discuss different aspects of patent regulations for Herbal Products.	06
	(b)	Discuss clauses in the Indian Patent Act that challenge absolute non-patentability in herbal drugs.	05
	(c)	Write a note on drug discovery process of taxol.	05
Q.3	(a)	Discuss advantage and disadvantages of wild harvesting of medicinal plants.	06
	(b)	Discuss challenges in standardization of polyherbal formulations.	05
	(c)	Write in detail about drug registration process for export import.	05
Q.4	(a)	Discuss various aspects for cultivation of medicinal plants.	06
	(b)	Write a note on trade marking for herbal products.	05
	(c)	Discuss drug discovery updates on δ -tubocurarine.	05
Q.5	(a)	Discuss issues related to copyrights for herbal products.	06
	(b)	Write a note on global trade of guggulu and salai-guggulu.	05
	(c)	Discuss storage conditions for herbal products.	05
Q. 6	(a)	Write a note on drug discovery process of artemisinin.	06
	(b)	Discuss components of common technical document (CTD) for herbal product.	05
	(c)	Discuss major challenges in trade of herbal products.	05
Q.7	(a)	Enlist industrially important aromatic plants and discuss products derived from them.	06
	(b)	Write a note on worldwide trade of senna.	05
	(c)	Discuss components of a monograph of Ayurvedic Pharmacopoeia of India.	05
