Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY B.Pharm – SEMESTER-VIII EXAMINATION – SUMMER 2017

Subject Code: 2280014 Date: 09/05/2017

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)	Give the contribution of Liquorice, Ginseng, and Guggulu in the world wide trade.	06
	(b) (c)	Explain the criteria for the import of the herbal drug. Give the WHO guidelines on good agricultural and collection practices for medicinal plants	05 05
Q.2	(a)	Explain modern methods for extraction of phytochemical from the herbal drugs.	06
	(b) (c)	Give the medicinal uses of herbal extracts of aromatic plants. Write a short note on cultivation and collection of herbal material.	05 05
Q.3	(a) (b) (c)	How to isolate, identify and analyze Atropine and Camptothecin. Write a short note on herbal wealth of China and Arab countries. Give the procedure for the warehousing of herbal drugs for medicinal uses.	06 05 05
Q.4	(a) (b)	Explain Intellectual Property Rights (IPR) of herbal drugs. Give the detail Pharmacognosy of any two industrially important aromatic plants.	06 05
	(c)	Write the contribution of morphine and ephedrine in modern drug discovery.	05
Q.5	(a) (b) (c)	Explain the production and supply of herbal drugs in herbal drug industry. Share your views about modern quality control system of medicinal plants. How to standardize the herbal drugs.	06 05 05
Q. 6	(a) (b) (c)	Give the industrial uses of Artemisia and Papain. Describe the herbal wealth of India. What is the procedure for the drug registration for export the drug?	06 05 05
Q.7	(a) (b) (c)	Give the industrial uses of Ipecac, Withania and Aloe. Explain the working of industrial staff members. How we can introduce another modern methods for development of herbal drug trade.	06 05 05
