Seat No.: _____   Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER– 8 EXAMINATION – SUMMER -2020

Subject Code: 2280005   **Date:28-10-2020**
Subject Name: Pharmacognosy-VI
Time: 10:30 AM TO 1:30 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)**	Describe in detail different methods which are used to prepare herbal extracts.	**06**
	(b)	Name different herbs and their active constituents which are useful as anticancer agent.	**05**
	(c)	Describe the role of TLC in the analysis of herbal drug.	**05**
Q.2	**(a)**	Define standardization. Enumerate different parameter for standardization of herbal extract. Explain any one in details.	**06**
	(b)	Describe a suitable method for estimation of Sennosides in a natural source.	**05**
	(c)	Describe a suitable method for estimation of Diosgenin in a natural source.	**05**
Q.3	**(a)**	Explain in detail phytopharmaceuticals evaluation.	**06**
	(b)	Explain the isolation and identification of Caffeine.	**05**
	(c)	Explain the isolation and identification of Sennosides.	**05**
Q.4	**(a)**	Explain the isolation and identification of Diosgenin.	**06**
	(b)	Explain the isolation and identification of Citral.	**05**
	(c)	Discuss the natural products used as Tranquilisers.	**05**
Q.5	**(a)**	Describe the method of preparation of standardized plant extract, chemical constituents and uses of Turmeric.	**06**
	(b)	Explain ISO-9000 in herbal drug industry.	**05**
	(c)	Discuss the natural products used as lythotryptic.	**05**
Q. 6	**(a)**	Describe the method of preparation of standardized plant extract, chemical constituents and uses of Ashwagandha.	**06**
	(b)	Write a note on phytopharmacovigilance.	**05**
	(c)	Explain the isolation and identification of Quinine.	**05**
Q.7	**(a)**	Write a note on herbal drug industry as per GMP requirements.	**06**
	(b)	Explain the isolation and identification of Penicillin.	**05**
	(c)	Discuss the natural products used as hepatoprotective.	**05**

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