

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 8- EXAMINATION –WINTER - 2018

Subject Code:2280005

Date: 26/11/2018

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.**

- Q.1 (a)** What is standardization of herbal extracts? Enumerate various methods of standardization of herbal extracts with special reference to Turmeric or Garlic. **06**
- (b)** Give details of recent developments in Hypolipidemic and Tranquilizer herbal drugs. **05**
- (c)** Write detailed requirements of basic infrastructure, manpower needs, and specialized Equipments requirements of a herbal drug industry. **05**
- Q.2 (a)** Write the official source, isolation techniques and method of estimation of Podophyllotoxin **06**
- (b)** Write a note on concept of Schedule T. **05**
- (c)** Write details of GMP in herbal drug industry. **05**
- Q.3 (a)** Give detailed method for isolation of caffeine **06**
- (b)** How Garcenia extract is prepared and standardized. **05**
- (c)** Give method of preparation of Ashwagandha extract. **05**
- Q.4 (a)** Write a note on R&D in herbal drug industry along with pilot scale up techniques. **06**
- (b)** How Amla extract can be prepared give its procedural details. **05**
- (c)** Describe method isolation of Rutin and Menthol. **05**
- Q.5 (a)** Give the source, isolation techniques and method of estimation of Glycyrrhetic acid **06**
- (b)** Write significance of standardization and evaluation in herbal drug industry **05**
- (c)** Give details of various analytical techniques for phytopharmaceutical evaluation **05**

Q. 6	(a)	Give an appropriate method for estimation of Sennosides and Carotenoids	06
	(b)	Write a note on isolation of Citral.	05
	(c)	Describe a suitable method for isolation and estimation of Diosgenin.	05
Q.7	(a)	What is phytopharmacovigilance? Give its significance for herbal drug industry	06
	(b)	Enumerate various crude drugs and their constituents useful as Immunomodulators	05
	(c)	Enlist various crude drugs along with active constituents useful as Anticancer.	05
