Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.Pharm - SEMESTER– II • EXAMINATION – SUMMER 2017

Subject code: 220005 **Date: 12/06/2017**

Subject Name: Pharmacognosy-I

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)	Define Pharmacognosy. Which are the different sources of crude drug	**06**
	(b)	What is scope of Pharmacognosy	**05**
	(c)	Write note on Pharmacological classification of crude drug	**05**
Q.2	(a)	Give the applications of Plant tissue culture	**06**
	(b)	Define Polyploidy and explain the types of ploidy	**05**
	(c)	Write a note on plant growth regulators	**05**
Q.3	(a)	What are advantages of cultivation? Which are the different factors affecting the cultivation of medicinal plants?	**06**
	(b)	What is Garbling? Which are the different methods of drying	**05**
	(c)	What is Manure? Describe different types of Soils.	**05**
Q.4	(a)	Describe Racemose and Cymose inflorescence	**06**
	(b)	Define Fruit, Classify fruits with suitable example	**05**
	(c)	Define Leaf, Describe different types of leaves	**05**
Q.5	(a)	What is difference between Monocot and Dicot leaves	**06**
	(b)	Describe Anatomy of typical Monocot stem	**05**
	(c)	Describe different types of leaf margin	**05**
Q. 6	(a)	What is adulteration of crude drug? Give the different method of crude drug evaluation	**06**
	(b)	Describe in detail Lycopodium spore method	**05**
	(c)	Define following (Any four) i. Stomatal Index ii. Ash value iii. Vein islet number iv. Acid value v. Vein termination number vi. Stomatal Number	**05**
Q. 7	(a)	Define Carbohydrates , write classification of carbohydrate	**06**
	(b)	Differentiate between fat and waxes	**05**
	(c)	Give Biological Source, chemical constituents and Uses for (any two) i. Castor Oil ii. Shark Liver Oil iii. Honey iv. Starch	**05**

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