Seat No.: _____   Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER – 3- EXAMINATION –WINTER - 2018

Subject Code:BP305TP   **Date: 12/12/2018**
Subject Name: Pharmacognosy and Phytochemistry 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)**	Write a note on proteolytic enzymes in brief.	**06**
	(b)	What is adulteration? Describe its different methods with examples.	**05**
	(c)	Give difference between fixed oil and volatile oil.	**05**
Q.2	**(a)**	Define Pharmacognosy. Explain in brief about scope and development of Pharmacognosy.	**06**
	(b)	Write a note on conservation of medicinal plants.	**05**
	(c)	Give detail about marine as sources of crude drugs.	**05**
Q.3	**(a)**	What is quantitative microscopy? Discuss its importance in standardization of crude drugs.	**06**
	(b)	Give biological source, chemical constituents, method of preparation and uses of agar.	**05**
	(c)	Describe the role of fertilizers and manures in cultivation of medicinal plants.	**05**
Q.4	**(a)**	Give name of different methods of classification of crude drugs. Describe chemical and pharmacological classification.	**06**
	(b)	Explain importance of fibres in pharmaceutical industries.	**05**
	(c)	Write biological sources, chemical constituents and uses of bees wax and Chaulmoogra oil.	**05**
Q.5	**(a)**	Explain meaning of evaluation of crude drugs. Enlist different methods of it and discuss any one method in detail.	**06**
	(b)	Give definition of glycoside, essential oils and resins with examples.	**05**
	(c)	Differentiate hydrolysable tannin and non-hydrolysable tannin.	**05**
Q. 6	**(a)**	Write note on Pharmacognosy of Tragacanth.	**06**
	(b)	Give B.S., Chemical constituents, identification tests, method of preparation and uses of honey.	**05**
	(c)	Write a note on Edible vaccines.	**05**
Q.7	**(a)**	Describe the role of Pharmacognosy in traditional systems of medicine.	**06**
	(b)	Give a note on teratogens and natural allergens in brief.	**05**
	(c)	Define alkaloids. Write properties and identification test for it.	**05**

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