

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY**B. Pharm. - SEMESTER-3 • EXAMINATION – SUMMER -2018****Subject Code: 230006****Date: 28/4/2018****Subject Name: Pharmacognosy - II****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)	Define extraction. Enumerate methods for extraction. Explain briefly soxhlet extraction.	06
	(b)	Discuss chemical tests used for detection of alkaloids.	05
	(c)	Explain chemical classification of Resins.	05
Q.2	(a)	Describe cultivation and collection of nutmeg.	06
	(b)	Write a pharmacognosy of nishoth.	05
	(c)	Discuss varieties of ginger.	05
Q.3	(a)	Write biological source, chemical constituents and uses of valerian.	06
	(b)	Write difference: cassia bark and cinnamon bark.	05
	(c)	How can you differentiate different types of tannins by chemical tests?	05
Q.4	(a)	Write biological source, chemical tests and uses of gelatin.	06
	(b)	Write a note on natural colourants.	05
	(c)	Describe the characteristics of umbelliferus fruits.	05
Q.5	(a)	Write a note on varieties and adulterants of cardamom.	06
	(b)	Write difference of any two animal fibres.	05
	(c)	Write biological source, chemical composition and preparation method of Absorbent cotton.	05
Q. 6	(a)	Define and discuss classification of tannins with examples.	06
	(b)	Write difference: pale catechu and black catechu	05
	(c)	Draw labeled diagram of clove bud.	05
Q.7	(a)	Enumerate volatile oil containing leaf drugs. Describe any one in detail.	06
	(b)	Write a note on screening of cardenolides and bufadienolides.	05
	(c)	Write biological source, chemical constituents and uses of Indian podophyllum.	05
