

GUJARAT TECHNOLOGICAL UNIVERSITY
B. PHARM. - SEMESTER – III • EXAMINATION – WINTER 2012

Subject code: 230006**Date: 07/01/2013****Subject Name: Pharmacognosy-II****Time: 10.30 am - 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)	Discuss general characters of Umbelliferous fruits.	06
	(b)	Write a note on Devil's dung.	05
	(c)	Give botanical source, family, chemical constituents and uses of European Dill.	05
Q.2	(a)	Explain in brief ethereal oil and mention about Ecuelle technique.	06
	(b)	Explain adulterant and substituents of Ginger.	05
	(c)	Dictate ideal requirements of pharmaceutical aid and give classification.	05
Q.3	(a)	Give source, constituents and uses of Himalayan may apple.	06
	(b)	What do you mean by Tannins? Explain with suitable examples.	05
	(c)	Enumerate different screening method for glycosides.	05
Q.4	(a)	Explain in detail about source, family, collection and preparation of Benzoin	06
	(b)	Write a note on Natural colors.	05
	(c)	Draw detail transverse section of coriander fruit with proper labels.	05
Q.5	(a)	How can you differentiate True Cinnamon bark from Cassia bark?	06
	(b)	Differentiate hydrolysable tannin and non-hydrolysable tannin.	05
	(c)	Give botanical source, family, geographical source, chemical constituents and uses of cardamom.	05
Q. 6	(a)	Enlist different varieties of Mentha and give physical and chemical properties of Menthol.	06
	(b)	Describe method of preparation of Gelatin.	05
	(c)	Define and explain Resin, Rosin, Resenes and Resinols with proper examples.	05
Q.7	(a)	Explain principle of direct steam distillation method by proper illustration.	06
	(b)	How Clove buds can be substituted? Give properties of clove oil.	05
	(c)	Write a brief note on importance of fibres in pharmaceutical industries.	05
