

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BPHARM – SEMESTER III • EXAMINATION – WINTER • 2014

Subject code: 230006

Date: 31-12-2014

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)	Define & Classify Resin with suitable example.	06
	(b)	Differentiate between Sumatra benzoin & Siam benzoin.	05
	(c)	Write biological source, family, chemical constituents, chemical test & uses of Turmeric & Ginger.	05
Q.2	(a)	Define Tannins. Describe its physical & chemical properties with suitable example.	06
	(b)	Differentiate between hydrolysable tannins & condensed tannins.	05
	(c)	Discuss cultivation, collection & preparation of pale catechu.	05
Q.3	(a)	Define phytochemical screening. Discuss various method used for isolation of volatile oil from crude drugs.	06
	(b)	Draw well-labeled diagram of microscopy of coriander & fennel.	05
	(c)	Write biological source, family, chemical constituents & uses of cinnamon bark.	05
Q.4	(a)	Explain various method used in phytochemical screening with suitable example.	06
	(b)	Discuss different types of extract which are obtained by phytochemical screening of crude drugs.	05
	(c)	Enumerate various identification test used for alkaloids & cardenolides.	05
Q.5	(a)	Define & classify fibres. Discuss various identification test used for its analysis.	06
	(b)	Write biological source, family, collection, preparation & chemical test for cotton.	05
	(c)	Write preparation, chemical constituents, identification test & uses of silk.	05
Q. 6	(a)	Define & classify pharmaceutical aids with suitable example.	06
	(b)	Describe briefly preparation & uses of gelatin.	05
	(c)	Define & classify natural colorants with suitable example. Discuss briefly pharmacognosy of crocus.	05
Q. 7	(a)	Write common name, biological source, family, chemical constituents & uses of clove buds.	06
	(b)	Describe briefly physical & chemical properties of Resins.	05
	(c)	Describe complete pharmacognosy of wool or Talc.	05
