Seat No.:	Enrolment No
GUIARAT TECHNOLOGICAL UNIVERSITY	

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B. Pharm- SEMESTER-VI- (NEW SYLLABUS) EXAMINATION-SUMMER-2015 Subject Code: 2260006 Date: 14/05/2015 **Subject Name: Pharmacognosy-IV** Time: 10:30 am to 1:30 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 short note on any one drug used as a natural colorant. 06 Define Pharmaceutical aids. Write a short note on talc. 05 **(b)** Give biological source, Preparation method, chemical constituents and uses of (c) 05 Silk. 0.2 Define Marine Pharmacognosy. Write a short note on marine toxins. 06 (a) Describe in details anti viral agents obtained from marine source **(b)** 05 Describe preparation, chemical constituents, identification tests and uses of 05 (c) absorbent cotton **Q.3** Define and classify enzymes with suitable examples. 06 (a) **(b)** Give Biological source, method of preparation and uses of Diastase. 05 Write a note on Urokinase OR Hyaluronidase. 05 (c) **Q.4** Define alkaloids. Classify them with suitable examples in detail. 06 (a) Write a note on bioavailability enhancing drug. **(b)** 05 Enlist the drugs containing Indole alkaloids. Give chemistry of Ergot alkaloids. 05 (c) **Q.5** Give detailed Pharmacognosy of Indian ginseng. 06 (a) Discuss biological sources, cultivation and collection of Jesuit's bark. 05 **(b)** Describe the specific chemical tests of Reserpine, Quinine, Caffeine, Ephedrine (c) 05 and Atropine. **Q.** 6 Write a note on polyploidy inducer seed. 06 (a) Draw well labelled diagrammatic transverse section of Kurchi bark. 05 **(b)** Discuss adulterants of Belladonna and Nux vomica. 05 (c) Differentiate following: **Q.7** 06 (a) (i) Datura metel / Datura innoxia (ii) Rio ipecac / Cartagena ipecac (iii) Tobacco / Indian tobacco

Give Pharmacognosy of Quinazoline alkaloid containing leaf drug.

05

05

Discuss medicinal importance of Kantakari herb.

(b)

(c)