## **GUJARAT TECHNOLOGICAL UNIVERSITY**

Diploma Engineering - SEMESTER-VI • EXAMINATION - WINTER • 2014

Subject Code: 360505		Date: 04-12-2014	
-	Name: Pulp and Paper Technology :30 pm - 05:00 pm	Total Marks: 70	
3.	s: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. English version is considered to be Authentic.		
	Define paper and write types of paper products with their Explain requisites for cellulose raw materials .	ruses.	07 07
	Discuss about various raw materials of paper. Differentiates two types of pulps. OR		07 07
(b)	Major Engineering problems of pulp industry.		07
	Explain krafpulping process with neat and clean figure. Explain R.A.G.pulping. OR		07 07
			07
	Define cellulose and write its properites. Which are the latest developments of paper industries.		07 07
	Mechanical and thermo-mechanical pulping. Preparation of chemical cellulose. OR		07 07
	Black liquor recovery process. Write properties of Dimethyl Sulfide and sulfoxide.		07 07
	Explain Wet process for Paper Manufacture. Discuss about three pulping process. OR		07 07
	Method of production of Dimethyl Sulfide. Write a note on Enzymology for Lignin waste treatment.		07 07

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