GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V • EXAMINATION – SUMMER • 2014

	Su	bject Code: 152104 Date: 17-06-2014	
	Tin Ins 1. 2.	bject Name: Fuels, Furnaces and Refractory me: 10:30 am - 01:00 pm Total Marks: 70 tructions: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a) (b)		07 07
	(b)	-	07
Q.3	(a) (b)	and alloys.	07 07
	(0)	draught.	07
		OR	
Q.3	(a) (b)	Short note on Electric Arc Furnace used for steel melting.	07 07
Q.4	(a)	Explain the working principle of muffle furnace with figure	07
	(b)	What are the general requirements of a refractory material?	07
		OR	
Q.4	(a) (b)	e e	07 07
Q.5	(a)	Write short note on 1) Water gas 2) Solar energy	07
	(b)	Short note on Seyler's classification. OR	07
Q.5	(a) (b)	Short note on Producer gas.	07 07
