Seat No.:	Enrolment No.
Seat No	Elifoliticiti No.

GUJARAT TECHNOLOGICAL UNIVERSITY DIPLOMA ENGINEERING – SEMESTER – 8th • EXAMINATION SUMMER • 2015

Subject Code: 385506 Date: 30-04		15	
Ti	me: 1. 2. 3.	ct Name: Advance Materials and Metallurgy 10.30 AM TO 01.00 PM tions: Attempt All questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. Each question carry equal marks (14 marks)	70
Q.1	(a) (b)	Describe Scope of A.M.M. in Fabrication Industry.	07 07
Q.2	(a) (b) (b)	Describe Metallurgy of Steel with its Microstructure. OR	07 07 07
Q.3	(a) (b	•	07 07
Q.3	(a) (b	Define and Explain Precipitation, Particle coarsening and Recrystalization.	07 07
Q.4	(a)	their advanced materials used. Draw neat sketch of Cryogenic Vessel and Prepare list of its parts with their advanced materials used.	07 07
Q. 4	(a) (b	advanced materials used.	07 07
Q.5	(a) (b	Describe importance of Reduction Ratio, Raw Material Selection and Forging Temperature for quality of forged product.	07 07
Q.5	(a) (b		07 07
