Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

M. E. - SEMESTER – II • EXAMINATION – WINTER 2012

Subject code: 1720809 Date: 02/01		/2013	
•		Name: Product Design and Development 2.30 am – 01.00 pm Total Marks:	70
Instr	uct	ions:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	List the phases of the new product development. Explain in detail the planning for retirement phase with at least 3 different examples.	07
	(b)		07
Q.2	(a) (b)		07 07
		OR	
	(b)	Write different methods of material selection and explain the method of value analysis.	07
Q.3	(a) (b)		07 07
Q.3	(a)	_	07
	(b)	Explain the role of Concurrent Engineering.	07
Q.4	(a)	Explain different types of cost involved in a product. How cost is estimated in industrial engineering approach?	07
	(b)		07
Q.4	(a) (b)	Write depreciation calculation methods and discuss any one. Explain the concept of time value of money in detail.	07 07
Q.5	(a) (b)		07 07
Q.5	(a) (b)	List and explain in detail all the applications of the rapid prototyping.	07 07
