Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

•		code: 171904 Date: 27/12/2012	2
_		Name: Product Design and Value Engineering	
		0.30 am - 01.00 pm Total Marks: 70)
Insti		ions:	
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a) (b)		07 07
Q.2	(a)	Explain the importance of product planning. Explains product planning process in detail.	07
	(b)	•	07
	(b)	OR Explain the importance of duration and cost of product development in product development.	07
Q.3	(a)	•	07
	(b)		07
Q.3	(a)	Explain the following in connection with design for manufacturing:- 1. Reduction of cost of components,	07
	(b)	2. Reduction of cost of assembly What is the importance of product specifications? How the final specifications are decided? Explain this.	07
Q.4	(a) (b)	Explain the value standards.	07 07
Q.4	(a)	1 1 0	07
	(b)	selection of evaluation of value engineering projects? Explain the different phases of value engineering job plan in brief.	07
Q.5	(a) (b)	1	07 07
Q.5	(a) (b)	Explain the life cycle cost in detail.	07 07

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