GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI (NEW) - EXAMINATION - SUMMER 2016

	•	ect Code:2161502 Date ect Name: Product Development & Value Engineering	e:09/05/201	.6
		: 10:30 AM to 01:00 PM tions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	al Marks: '	70
Q.1	(a) (b)	What is feasibility study? Discuss its importance related to product design the type of material affects in design and manufacture of product?	_	07 07
Q.2	(a) (b)	Discuss implication of value engineering on overall productivity. Explain product development procedure in detail giving suitable example.	le.	07 07
	(b)	OR How does value analysis technique differ from other cost reduction tech	miques?	07
Q.3	(a) (b)	What do you understand by a good product design? State the importance of value engineering. Discuss its various appli different conditions	ications in	07 07
Q.3	(a) (b)	OR Discuss relationship between product design and value engineering. State and discuss the phases of value analysis in detail.		07 07
Q.4	(a) (b)	Discuss importance of value engineering job plan. Discuss how market research is important in product development.		07 07
Q.4	(a) (b)	OR Discuss impact of material selection in design and manufacture of product planning. Explain product planning detail.		07 07
Q.5	(a) (b)	Write short note on "Standardization and its role in product design". Write short note on "Material and process selection in value engineering	g"	07 07
Q.5	(a) (b)	OR Write note: Use of Ergonomics principle in product design Write note: State basic and secondary functions of bicycle.		07 07
