Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

ME - SEMESTER- II(New course) • EXAMINATION (Remedial) - WINTER- 2015

Subject Code: 2721405 Subject Name: Value Engineering			Date:11/12/2015	
	tructio	Attempt all questions. Make suitable assumptions wherever necessary.	70	
Q.1	(a) (b)	Enlist and explain various objectives of Value Engineering. Discuss the origin and development of value engineering concept.	07 07	
Q.2	(a) (b)	Justify the statement: A value analysis team must be multidiscipline. Discuss the relevance of Value Engineering concept to Indian Scenario. OR	07 07	
	(b)	State and explain the reasons for poor value.	07	
Q.3	(a) (b)	Describe and explain 5-phase job plan application in value engineering study. Justify following statement: õJob-plan is very important tool of Value engineering kit.ö	07 07	
		OR		
Q.3	(a)	Describe the quantitative and qualitative benefits obtained by implementing the VE techniques in construction projects.	07	
	(b)	Explain the relevance of Value Engineering in Project Management.	07	
Q.4	(a) (b)	Define and explain the differences between costs, worth and value. Enlist the factors affecting value and discuss measures of improving value. OR	07 07	
Q.4	(a)	Define and explain with suitable examples the terms: Use value, Esteem value, Exchange value & Cost value.	07	
	(b)	What is FAST diagramming? State the ground rules of preparing FAST diagramming.	07	
Q.5	(a)	Explain the following terms: Higher Level Function, Lower level Function, Aesthetic Function, Critical Path Functions, Scope Line.	07	
	(b)	State different creative problem solving techniques and explain procedure of any one.	07	
0.5	(2)	OR	07	
Q.5	(a)	Enlist various cost models and describe any one cost model along with its benefits and application.	07	
	(b)	Define and explain the concept of life cycle costing approach in VE context.	07	
