Ganpat University B. Tech. SEM - VIII Mechanical Engineering CBCS Regular Examination April - June 2015 2ME805/1 Value Engineering

TIME:- 3 HOUR

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 TOTAL MARKS: - 70

INSTRUCTION:-

i. Answer to the two sections must be written in separate answer books.

ii. Figures to the right indicate full marks of the questions.

- iii. Draw neat sketch wherever necessary.
- iv. Assume suitable data if necessary.

Section - I

Q - 1	Answer the following question.	[12]
(A)	Enlist various types of values and explain each of them with the help of example.	
(B)	Explain VE methodology and techniques with the help of block diagram.	
OR		
Q - 1 (A) (B)	Answer the following question. What are the reasons for unnecessary cost? Explain in details. Explain the seven most significant factors responsible for savings action with neat sketch.	[12]
Q. 2	Answer the following question.	[11]
(A)	Write a case study on "Value engineering at metro rail- A case study".	
0.1	OR	[11]
Q. 2 (A)	Answer the following question. Write a case study on VE that can be implemented to a product for its optimization.	[11]
Q. 3	Answer the following question.	[12]
(A)	Write a short note on life cycle of a product.	
(B)	With the help of diagram explain when to apply value engineering?	
(C)	Define value engineering and states its objectives.	
	SECTION - II	
Q -4	Answer the following question.	[12]
(A)	Explain the roles of VE during system development and demonstration.	
(B)	Discuss the each activity that occurs during the development phase.	
OR		
Q -4	Answer the following question.	[12]
(A)	Enlist briefly each phase of value engineering job plan.	
(\mathbf{R})	Differentiate between value engineering and value analysis.	

Q -5 Answer the following question.

(A) Write a case study on "Application of value engineering methodology in construction".

OR

Q-5 Answer the following question.

(A) Write a case study on "Improving furniture product through value engineering by Function Analysis Systems Technique (FAST)".

Q-6 Answer the following question.

- (A) Explain how to leader established VE capability in an organization.
- (B) R-TOC

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END OF PAPER

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