

Code: 20ME2601A

III B.Tech - II Semester – Regular Examinations – JUNE 2023**VALUE ENGINEERING**
(Common to All Branches)

Duration: 3 hours

Max. Marks: 70

Note: 1. This paper contains questions from 5 units of Syllabus. Each unit carries 14 marks and have an internal choice of Questions.

2. All parts of Question must be answered in one place.

BL – Blooms Level

CO – Course Outcome

			BL	CO	Max. Marks
UNIT-I					
1	a)	Elaborate the role of Value Engineering in enhancing the productivity.	L2	CO1	7 M
	b)	How to start with identification of problem to use Value Engineering?	L2	CO1	7 M
OR					
2	a)	What is the basis to determine the size and skill of Value Engineering staff in an organization?	L2	CO1	7 M
	b)	Explain the processes of Value Engineering activities in any organization.	L2	CO1	7 M
UNIT-II					
3	a)	Explore the orientation and information phases of Value Engineering job plan.	L2	CO2	7 M
	b)	What are the applications of value standard? Explain.	L2	CO2	7 M

OR					
4	a)	What is Value standard? Explain.	L2	CO2	7 M
	b)	Explore the speculation and analysis phases of Value Engineering job plan.	L2	CO2	7 M
UNIT-III					
5	a)	How do you select the products for using value engineering?	L2	CO3	7 M
	b)	How do you develop alternate means to required functions to increase the value?	L2	CO3	7 M
OR					
6		Apply the Function Analysis System Technique for any product of your interest with the help of the sketch.	L3	CO3	14 M
UNIT-IV					
7	a)	How is Value Engineering versatile? Explain in relation to maintenance and repair activities.	L2	CO3	7 M
	b)	What are the categories of training concerned with Value Engineering programme? Explain.	L2	CO3	7 M
OR					
8	a)	How do you develop a training plan for value engineering programme? Explain in detail.	L2	CO3	7 M
	b)	Explain Value Engineering in relation to logistics and software projects.	L2	CO3	7 M

UNIT-V

9	a)	Enumerate the functions associated with the team leader of Value Engineering.	L2	CO4	7 M
	b)	How Value Engineering can be implemented in construction management contracts? Explain.	L2	CO4	7 M

OR

10		Provide an illustration of how value engineering can be used to lower costs in any organization, for any good or service.	L3	CO4	14 M
----	--	---	----	-----	------