Dog No						
Neg. 140.						

Question Paper Code

11512

B.E. / B.Tech. - DEGREE EXAMINATIONS, NOV/DEC 2022

Seventh Semester

Electrical and Electronics Engineering

(Common to Mechanical Engineering and Production Engineering)

GE8077 - TOTAL QUALITY MANAGEMENT

(Regulations 2017)

Duration: 3 Hours

company.

Max. Marks: 100

PART - A $(10 \times 2 = 20 \text{ Marks})$

Answer ALL Questions

1.	Giv	ve the six basic concepts of TOM.	Marks, K-Level, CO 2,K2,CO1					
2.		ferentiate Quality of Conformance and Quality of Performance.	2,K2,CO1					
3.		t the characteristics of good leadership.	2,K2,CO2					
4.		assify the types of motivation.	2,K1,CO2					
5.	Name new seven management tools.							
6.		stinguish between failure mode and failure effects.	2,K1,CO3 2,K2,CO3					
7.		nat are the costs taken to calculate the cost of quality?	2,K2,CO4					
8.		nat are the areas in which QFD is used?	2,K2,CO4 2,K2,CO4					
9.			2,K2,CO4 2,K2,CO5					
10.	1 de la constant de l							
10.	VV 1	ite the significance of quality auditing.	2,K1,CO5					
		$PART - B (5 \times 13 = 65 Marks)$						
		Answer ALL Questions						
11.	a)	(i) Write down the underlying principles of TQM.	7,K2,C01					
		(ii) Describe the various dimensions of quality. OR	6,K2,CO1					
	b)	How would you summarize customer complaints, customer satisfaction and retention in details?	13,K2,CO1					
12.	a)	Explain the requirements of effective leadership and summarize leadership roles in detail.	13,K2,CO2					
	OR OR							
	b)	Enumerate the Japanese 5S as applicable to services and manufacturing	13,K2,CO2					

13,K2,CO3 Describe the seven traditional tools of quality. 13. 13,K4,CO3 Analyze the three main types of benchmarking. In what circumstances would each type be more appropriate? What is quality cost? Explain the different categories and elements of 13,K2,CO4 14. a) COQ. How it is useful as a performance measure? 13,K2,CO4 b) Write down the objectives of implementing TPM. Discuss about the core elements of TPM program. Compare TQM and TPM. Discuss the various elements of ISO 9000-2000 quality systems. 13.K2,CO5 15. OR Estimate the role of audit checklist for quality management system. 13,K2,CO5

PART - C $(1 \times 15 = 15 \text{ Marks})$

Evaluate the duties of quality council and explain McGregor's theory X and theory Y. OR 15,K3,C06

Develop a house of quality for designing a mobile phone.