PRN:		Course Code :	P67PC102

First Year **M. Tech** End Semester Examination Winter 2024

CONSTRUCTION QUALITY AND SAFETY MANAGEMENT

Day and Date: Mon 2 DEC 2024 Max Marks: **50** 000425

Time : 10:30AM To 12:30PM Duration: **02** hrs

Instructions:

1. All questions are compulsory.

			Marks	Bloom's Level	CO
Q.1		**Attempt the following Question.**			
	a)	Define Quality. What are the tools of quality?	10	3	1
		OR			
	a)	Enlist & Explain various principles of Quality Management System?	10	3	1
Q.2		**Attempt any two of following Question.**			
	a)	Explain Taguchi philosophy of Quality and Statistical Tolerance.	05	3	1
	b)	What are the various factors affecting quality of construction?	05	3	1
	c)	Explain various determinants of Quality.	05		
Q.3		**Attempt any two of following Question.**			
	a)	Write note on RERA Act	05	4	2
	b)	Explain ISO 9000 series.	05	4	2
	c)	Write note on NBC	05	4	2
Q.4		**Attempt the following Question.**			
	a)	Define Failure modes and effects analysis (FMEA) and explain process to develop FMEA	10	4	2
		OR			
	a)	Elaborate the meaning of Life Cycle Costing & explain Stages of Product Life Cycle Costing	10	5	3
Q.5		**Attempt any two of following Question.**			
	a)	Explain various causes of construction accidents	05	4	4
	b)	Explain safety Policy.	05	4	4
	c)	What are the various types of hazards of construction? Explain safety in any two of hazard.	05	4	4

****

ESE