

**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR
(GIET UNIVERSITY)**



M.Tech. (First Semester) Regular Examinations, February – 2025

24MCTPC11002-QUALITY AND SAFETY IN CONSTRUCTION

(Construction Technology and Management)

Time: 3 hrs

Maximum: 60 Marks

Answer ALL questions

(The figures in the right hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** questions

	CO #	Blooms Level
a. Define Quality Auditing.	CO1	K1
b. Give four safety practices when working at heights.	CO2	K2
c. Explain site security.	CO3	K1
d. Give three resources needed for safety committee.	CO4	K1
e. Describe about Biological and Toxic Weapons Convention (BWC).	CO5	K2

PART – B

(10 x 5 = 50 Marks)

Answer **ALL** the questions

	Marks	CO #	Blooms Level
2. a. Explain the four phases of an Audit cycle.	5	CO1	K1
b. Describe about one of the common Audit problem and problem solving technique.	5	CO1	K2
(OR)			
c. What is Statistical Quality Control? Explain its benefits.	5	CO1	K1
d. Describe in detail about Quality function Deployment.	5	CO1	K2
3.a. Write the influence of OSHA Private sector employees.	5	CO2	K2
b. Describe briefly about OSHA.	5	CO2	K1
(OR)			
c. List out the rights of workers under OSHA	5	CO2	K1
d. List out few standards issued by OSHA.	5	CO2	K1
4.a. Explain the main provisions in The Personal Protective Equipment at Work Regulations 1992.	5	CO3	K2
b. Write the responsibility of the employers in The Health & Safety Regulations.	5	CO3	K2
(OR)			
c. Write the roles and responsibilities of an owner at construction site.	5	CO3	K3
d. Write the roles and responsibilities of workers at construction site.	5	CO3	K3
5.a. Explain the issues which should be included in review of the Safety and Health Management System	5	CO4	K3
b. Give specific reasons for Health and Safety Programs in the workplace.	5	CO4	K3
(OR)			
c. List out various safety organizations throughout the world	5	CO4	K1
d. Write the role of Health and safety committee regarding Hazard Identification, Evaluation and control.	5	CO4	K4

6.a.	Describe in brief about Accident Investigation Policy.	5	CO5	K4
b.	Explain the features of Safety committee membership and procedures.	5	CO5	K4
(OR)				
c.	Describe the resources needed for safety committee.	5	CO5	K3
d.	Write the content of Health and Safety Regulations 1996?	5	CO5	K2
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