

**Gandhi Institute of Engineering and Technology University, Odisha, Gunupur  
(GIET University)**



M.Tech. (First Semester – Regular/Supplementary) Examinations, January – 2026  
**24MCTPC11002 – Quality and Safety in Construction  
(CTM)**

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 <i>ALL</i> questions	CO #	Blooms Level
a. What is meant by Quality Auditing?	CO1	K1
b. What is OSHA?	CO2	K1
c. Give two importance's of safety audits.	CO3	K1
d. List out four objectives of health and safety committee	CO4	K1
e. Describe about Biological and Toxic Weapons Convention (BWC).	CO4	K2

**PART – B****(10 x 5 = 50 Marks)**Answer *ALL* the questions

	Marks	CO #	Blooms Level
2. a. Explain in brief about Quality Assurance and Quality Control.	5	CO1	K2
b. What are the practical considerations in developing Quality Assurance and Quality Control systems?	5	CO1	K2
(OR)			
c. What is Quality Auditing? Explain three types of Audits.	5	CO1	K2
d. What are First, Second and Third Party Audits?	5	CO1	K1
3.a. How do OSHA influences State and Local governments?	5	CO1	K2
b. Write in brief about the rights and responsibility under OSHA law.	5	CO1	K2
(OR)			
c. Demonstrate in detail about hazard associated with Cranes and list out the solutions for it.	5	CO2	K3
d. What is Personal Protective Equipment (PPE). List out PPE for head and foot.	5	CO2	K1
4.a. Illustrate in brief about Workplace Safety law.	5	CO2	K2
b. List out the main Health and Safety Regulations.	5	CO2	K1
(OR)			
c. What is the responsibility of the employers in The Health & Safety Regulations?	5	CO2	K2
d. What are the roles and responsibilities of an owner at construction site?	5	CO2	K2
5.a. What should be include in the policy of Safety and Health Management System?	5	CO3	K2
b. Classify briefly about types of safety policies.	5	CO3	K2
(OR)			
c. Describe in brief about Accident Investigation Policy.	5	CO3	K2
d. What are the features of Safety committee membership and procedures?	5	CO3	K2

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| 6.a. | What is the role of a safety committee member in Health and Safety Regulations 1996? | 5 | CO4 | K2 |
| b.   | Describe in detail about International Agreements.                                   | 5 | CO4 | K2 |
| (OR) |  |   |     |    |
| c.   | What are the resources needed for safety committee?                                  | 5 | CO4 | K1 |
| d.   | What is the content of Health and Safety Regulations 1996?                           | 5 | CO4 | K1 |

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