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Total Number of Pages : 01

M.TECH

AR-19

M.TECH 1ST SEMESTER EXAMINATIONS NOV/DEC 2019

CT&M, MPCCT1020

QUALITY AND SAFETY IN CONSTRUCTION

Time: 3 Hours

Max Marks : 70

The figures in the right hand margin indicate marks.

PART-A

(10 X 2=20 MARKS)

1. Answer the following questions.

- a. Mention four benefits of Total Quality Management.
- b. Write short notes on Quality Control (QC).
- c. What is meant by Material Quality Assurance?
- d. What is OSHA?
- e. Give four safety practices when working at heights.
- f. Give three roles and responsibilities of supervisor.
- g. What do you mean by site security?
- h. Give two importance's of safety audits.
- i. Define the term safety policy.
- j. Describe about Biological and Toxic Weapons Convention (BWC).

PART-B

(5 X 10=50 MARKS)

Answer any five questions from the following.

2. (a) Demonstrate in detail about the classifications of Total Quality Management?
(b) What is W. Edwards Deming's approach for Total Quality Management?
3. (a) What is Statistical Quality Control? Explain its benefits.
(b) Describe in detail about Quality function Deployment.
4. (a) Explain in detail about Enforcement of OSHA.
(b) Describe about Compliance assistance of OSHA.
5. (a) Write few safety precautions while working with electrical power.
(b) Describe about hazard communication.
6. (a) Explain briefly about types of inspections.
(b) What are the basics of safety audit?
7. (a) How to perform a safety audit?
(b) Describe in detail about the types of safety audits?
8. (a) Write in detail about International Plant Protection Convention (IPPC).
(b) Explain in detail about International Health Regulations (2005) and United Nations Security Council Resolution 1540