



# TONTADARYA COLLEGE OF ENGINEERING

## Department of Civil Engineering

### Internal Assessment – 1 (18CV653)

Subject

Occupational Safety & Health (Open Elective)

Date : 21-05-2022

Semester

VI

Offered by : Civil Dept

Time : 10:00 to 11:30

Answer by choosing one sub question from each main question

Total Marks: 50

- Q1 a) Write a brief note on National Safety Policy and its benefits in detail. 10 M CO1  
OR  
b) Outline the history & Development of OSHA 10M CO1
- Q2 a) Explain the Heinrich's domino theory of accident causation. 10 M CO1,2  
OR  
b) With an aid of a flow diagram illustrate epidemiological theory of accident causation 10M CO1,2
- Q3 a) Explain the four step process of accident investigation in detail 10 M CO1,2  
OR  
b) Enumerate the supervisory role in accident investigation. 10 M CO1,2
- Q4 a) Define Ergonomics. Write a brief note on preventing ergonomic hazard 10 M CO1,2  
OR  
b) Describe ergonomic task analysis in detail 10 M CO1,2
- Q5 a) Write a brief note on right-to-know laws as a result of SARA-III 10 M CO1  
OR  
b) Write a note on i) Health Provisions under the Factories Act, 1948 10M CO1  
ii) The Employees' State Insurance (ESI) Act, 1948 10M CO1

CO	Complete Title
CO1	Identify the hazards in the workplace that pose a danger or threat to their safety, health or that of others
CO2	Control Unsafe or Unhealthy hazards and propose methods to eliminate the hazards