

06B TRIBHUVAN UNIVERSITY  
INSTITUTE OF ENGINEERING  
**Examination Control Division**  
2074 Bhadra

Exam.	Regular		
Level	BE	Full Marks	80
Programme	BCE	Pass Marks	32
Year / Part	IV / II	Time	3 hrs.

**Subject:** - Construction Safety Management (*Elective III*) (CE78502)

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt **All** questions.
- ✓ The figures in the margin indicate **Full Marks**.
- ✓ Assume suitable data if necessary.

1. What is social impact of accidents? Discuss about the evolution of construction safety concept developed by Michael Behm. (2+8)
2. Discuss about the major organizational aspects of the construction industry in order to understand the status of safety. (8)
3. What is safety organization? Explain in detail the safety procedure for working platforms. (3+7)
4. What safety measures do you follow during the building work and excavation? (10)
5. Discuss in detail about the safety procedures undertaken for temporary power supply. (8)
6. What is job stress and job stressor? Explain in detail about the stress in the work place? (4 +6)
7. Explain in detail how can workers personally protect their body during the construction work? (8)
8. "In Nepal the health and safety provisions for workers is not up to the standard as mentioned by OSHA". Do you agree? Discuss (10)
9. What role does the designer play regarding the construction safety management? (6)

\*\*\*

6 B TRIBHUVAN UNIVERSITY  
INSTITUTE OF ENGINEERING  
**Examination Control Division**  
2073 Bhadra

Exam.	Regular		
Level	BE	Full Marks	80
Programme	BCE	Pass Marks	32
Year / Part	IV / II	Time	3 hrs.

**Subject: - Construction Safety Management (Elective III) (CE78502)**

- ✓ Candidates are required to give their answers in their own words as far as practicable.
- ✓ Attempt All questions.
- ✓ The figures in the margin indicate Full Marks.
- ✓ Assume suitable data if necessary.

1. "Construction Safety is considered as the costly item for construction parties in Nepal". Do you agree? Discuss. [10]
2. As a site engineers what safety measures do you follow for storage of materials and fire prevention protection? Explain. [6]
3. What is planning for safety? Explain in detail the safety procedures involve in lifting work and use of electricity. [2+4+4]
4. What is indirect cost of an accident? What are the major causes that affect the health of the construction equipment operators? [3+7]
5. How the atmospheric condition does affect the worker's safe performance? Explain about the stress in the workplace. [3+3]
6. What is an ILO standard? Explain how ILO does differs from OSHA. [3+7]
7. Explain how finger, hand and arm can be protected during the execution of construction work. Write down the importance of Noise safeguard. [3+3]
8. What role does the manufacturer plays regarding the safety management? [6]
9. Write short notes on: [4×4]
  - (a) Current situation of safety in Nepal
  - (b) Safety provisions for structure and equipment
  - (c) Cost of safety programs
  - (d) Ergonomics and Biomechanics

\*\*\*