

CHUKA

UNIVERSITY



UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD  
OF BACHELOR OF SCIENCE DEGREE IN ENVIRONMENTAL SCIENCE

ENSC 444: OCCUPATIONAL SAFETY AND HEALTH

STREAMS: BSC. ENSC

TIME: 2 HOURS

DAY/DATE: TUESDAY 21/09/2021

8.30 A.M. – 10.30 A.M.

**INSTRUCTIONS:**

■ *Answer all question in section A and any other TWO in section B*

■ *Do not write anything on the question paper*

**SECTION A: 30 MARKS**

1. Explain the following terms
  - a) Occupational health (2 marks)
  - b) Industrial hygiene (2 marks)
  - c) Occupational disease (2 marks)
2. State three objectives of occupational health and safety (3 marks)
3. State three workers rights and three employers duties. (6 marks)
4. State several reasons for a review of the health and safety policy. (5 marks)
5. Write five reasons for carrying out new risk assessment (5 marks)

**SECTION B (40 MARKS)**

6. Discuss the principles of occupational health and safety. (20 marks)
  7. a) Discuss four accident causation theories. (12 marks)  
b) Discuss the reasons for neglect of occupational health and safety in developing countries. (8 marks)
  8. Discuss five classes of occupational hazards. (20 marks)
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