



NATIONAL OPEN UNIVERSITY OF NIGERIA
PLOT 91, CADASTRAL ZONE NNAMDI AZIKIWE EXPRESS WAY, JABI, ABUJA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCE
2024_2 EXAMINATION

COURSE CODE: EHS 513
COURSE TITLE: INDUSTRIAL SAFETY
COURSE UNITS: 2 UNITS
TIME ALLOWED: 1½ HOURS
TOTAL MARKS: 70 MARKS
INSTRUCTION: ANSWER ALL QUESTIONS

- 1a. Explain chlorine as a noxious gas (5 marks)
- 1b. Describe insulation and guarding protections against electrical hazards (10 marks)
- 1c. Explain the role of communication in industrial safety (10 marks)

- 2a. Explain the two phases of industrial safety systems (10 marks)
- 2b. Explain the hazardous nature of hydrochloric acid (5 marks)
- 2c. Outline five fire prevention hazard monitoring systems (5 marks)

- 3a. Discuss the following electrical hazards protections:
 - i. Protection against overhead power lines
 - ii. Personal protective equipment and role of tools (15 marks)
- 3b. State the points needed to be considered on the repetition of the plan-do-check-act-cycle (5 marks)
- 3c. What is the concept behind safety programmes in the industry? (5 marks)