

**JOMO KENYATTA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
UNIVERSITY
SECOND YEAR SEMESTER FOR THE DEGREE OF BACHELOR OF COMPUTER
TECHNOLOGY
HRD 2104: PRINCIPLES OF MANAGEMENT**

DATE: 25/3/2024

Due: 2/3/2024

**Assignment III
INDIVIDUAL ASSIGNMENT**

Required: Read the case study below and answer the questions below.

CASE STUDY: BOC CORPORATION.

BOC, a multinational corporation, operates in 60 countries and has a diverse portfolio consisting of four main businesses: industrial and special gases, healthcare, vacuum technology, and distribution services. Among these, the industrial and special gases business is the most prominent, accounting for 70% of the company's products. BOC takes pride in producing over 20,000 gas mixtures with exceptional purity levels of up to 99.99999%. These gases find applications in various industries, including microchip production, food preservation, and water treatment.

In addition to its business operations, BOC demonstrates a proactive approach towards environmental protection. The company envisions a globally sustainable business model that takes into account both environmental and economic consequences. As a testament to this commitment, BOC is a signatory to the International Chamber of Commerce Charter for Sustainable Development, which outlines 16 principles of environmental practice.

To ensure the safety of its operations and mitigate potential risks, BOC has implemented the Major Hazards Review Programme (MHRP). This program aims to thoroughly understand and control large-scale hazards associated with the company's activities. It focuses on managing and minimizing risks to the public. The MHRP was initiated in response to catastrophic industrial accidents in Bhopal and Mexico City in 1984. It is a corporate policy that is implemented and overseen by a network of coordinators. The program follows a four-step process, which includes conducting site activity and materials inventory, performing quantitative hazard assessments for materials exceeding specified thresholds, utilizing databases and models for toxicity information, and generating hazard ranges. Overall, BOC is committed to operating responsibly and prioritizing environmental sustainability while effectively managing potential risks associated with its operations.

Answer all the questions below:

1. Define the meaning of *Environment in Industrial Management* and elaborate on the key environmental challenges associated with industrial management activities in BOC?
2. Examine the key provisions of the Kenya Health and Safety at Work Act 1974 as shared in class group presentations and its relevance to BOC activities in the above case study?
3. Outline the advantages of conducting an Environmental Audit/Assessment within an industry setting like BOC?