

**CHUKA**



**UNIVERSITY**

---

**UNIVERSITY EXAMINATIONS**

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

**ENSC 358: INDUSTRIAL MANAGEMENT AND THE ENVIRONMENT**

**STREAMS: BSC(ENSC) Y3S1**

**TIME: 2 HOURS**

**DAY/DATE: TUESDAY 03/12/2019**

**2.30 PM – 4.30 PM**

---

**INSTRUCTIONS:**

- **Answer ALL Questions in Section A and any Two in Section B**
- **Do not write on the question paper**

**Section A (30 Marks)**

1. Briefly discuss the key factors that contributed to the first phase of industrial revolution. [6 marks]
2. Briefly discuss any three types of industries that are colour coded. [6 marks]
3. Highlight the common issues that workers' unions agitate for. [6 marks]
4. Discuss any three sanctions that can be used by workers against their employer when dissatisfied with the progress of collective bargaining. [6 marks]
5. Briefly discuss any four advantages of cleaner production. [6 marks]

**Section B (40 Marks)**

6. (a) Discuss how industrialization can contribute to the achievement of any five sustainable development goals. [10 marks]
- (b) Discuss the various steps involving in the management function of controlling. [10 marks]

7. (a) Discuss the factors considered when estimating the probability of a hazard causing damage to workers. [10 marks]

(b) Discuss any five policy instruments that may be used to reduce industrial pollution. [10 marks]

8. Discuss any five occupational diseases resulting from exposure to chemical pollutants. [20 marks]

---