



# THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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**MAIN EXAMINATION**

**JANUARY – APRIL 2019 TRIMESTER**

**FACULTY OF ARTS AND SOCIAL SCIENCES**

**DEPARTMENT OF HUMANITIES**

**REGULAR PROGRAMME**

**GES 219: ENVIRONMENTAL POLLUTION AND MONITORING TECHNIQUES**

**Date: APRIL 2019**

**Duration: 2 Hours**

**INSTRUCTIONS: Answer Question ONE and any other TWO Questions**

- Q1. a) Define urban pollution (2marks)  
b) Identify the **three** methods used in monitoring air pollution (6 marks)  
c) Illustrate the **three** major consequences of urban pollution (9marks)  
d) Discuss **three** methods used in waste water treatment (9marks)  
e) Outline any **two** importance of environmental monitoring (4 marks)
- Q2. Discuss the **four** environmental spheres and the various pollutants affecting each sphere of the environment. Cite the relevant examples for each sphere (20marks)
- Q3. a) Discuss the **three** testing procedures used in water to ascertain the level of impurities/pollutants (12marks)  
b) Explain the role of EIA in environmental pollution (6 marks)  
c) Explain the concept Environmental Monitoring (2marks)
- Q4. a) Identify the **three** waste water types that need to be managed to curb environmental pollution (6marks)  
b) Discuss the role of law and policy in environmental monitoring and pollution control (14marks)
- Q5. Discuss the various techniques used in environmental monitoring (20marks)