



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

INSTITUTIONAL BASED PROGRAMME (IBP) – DECEMBER SESSION

EXAMINATION FOR THE DEGREE OF MASTER OF SCIENCE

SCH 510: ENVIRONMENTAL CHEMISTRY

DATE: Thursday 3rd May 2012

TIME: 2.00 p.m – 5.00 p.m

INSTRUCTIONS: Answer ALL Questions

1. Explain **any ten** terminologies encountered in environmental Chemistry. [10 marks]
2. There are several metallic pollutants in the environment. Discuss lead, mercury and, arsenic. In your discussions, include the sources, health effects and control measures.
[21 marks]
3. Discuss the SO_x pollutants and their effects to the environment. In your discussion, give examples, and include sources and remedial measures taken/ that can be taken.[10marks]
4. Explain the green house effects [5 marks]
5. What is the role environmental chemists in achieving the World AIDS theme of Getting to zero: Zero new infections, zero stigma and zero Aids related deaths. [10 marks]
6. What is smog? Explain its formation and environmental implications. [4 marks]
7. As an environmental chemist, you are required to give a talk on control and management of solid waste in a local conference. Explain all the components of your talk. [10 marks]

=====END=====