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**KENYA METHODIST UNIVERSITY**

**END OF 3RD TRIMESTER 2017 (SB) EXAMINATION**

**SCHOOL : SCIENCE AND TECHNOLOGY**

**DEPARTMENT : PURE AND APPLIED SCIENCES**

**UNIT CODE : ENVI 201**

**UNIT TITLE : ENVIRONMENTAL SCIENCE**

**TIME : 2 HOURS**

**INSTRUCTIONS**

* ***Answer All Questions in section A and Question Four and any one other in section B.***

**SECTION A:**

**QUESTION ONE**

1. Describe four effects of human overpopulation on health. (4 Marks)
2. Describe three advantages of renewable energy sources. (3 Marks)
3. Explain four impacts of global climate change on the water cycle. (3 Marks)

**QUESTION TWO**

1. Explain food security and conditions that must be fulfilled to ensure it. (4 Marks)
2. Describe three effective measures to limit the current carbon dioxide increase in the atmosphere. (3 Marks)
3. Highlight four human activities causing biological diversity loss. (4 Marks)

**QUESTION THREE**

1. Describe four effects of excessive air pollution on plants. (4 Marks)
2. How would you ensure reduction in energy consumption. (3 Marks)
3. Describe three types of physical of environments. (3 marks)

**SECTION B:**

**QUESTION FOUR (Compulsory)**

1. Discuss five major environmental impacts of human population explosion?(10 Marks)
2. Explain the main causes of water shortages in Kenya. (10 Marks)

**QUESTION FIVE**

1. Discuss why many countries are opposed to limits of greenhouse gas emissions in accordance to Kyoto Protocol.(10 Marks)
2. Discuss the main consequences of overdrawing of water sinks. (10 Marks)

**QUESTION SIX**

1. Discuss the main strategies employed to curb wildlife extinction in Kenya.

(10 Marks)

1. Discuss the main benefits of constructing large dams along rivers. (10 Marks)