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**KENYA METHODIST UNIVERSITY  
END OF 3RD TRIMESTER 2017 (FT) EXAMINATION**

**SCHOOL : SCIENCE AND TECHNOLOGY**

**DEPARTMENT : PURE AND APPLIED SCIENCES**

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**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. Explain why decomposers an essential part of an ecosystem? (4 Marks)
2. Outline three main goals of environmental science. (3 Marks)
3. Explain three environmental problems in your county of origin. (3 Marks)

**QUESTION TWO**

1. Describe four major effective ways of regulating the commons.(4 Marks)
2. Explain three ways agricultural worldview threatens environmental sustainability. (3 Marks)
3. Explain three effects of depletion of stratospheric ozone on animals. (3 Marks)

**QUESTION THREE**

1. Explain four main ecological significances of forests. (4 Marks)
2. Describe main types of water use. (3 Marks)
3. Explain how introduction of exotic species causes extinction of native specieswith a specific example. (3 Marks)

**SECTION B:**

**QUESTION FOUR (Compulsory)**

1. Discus five human activities that cause of global warming. (10 Marks)
2. Discuss the main cons of constructing large dams along rivers. (10 Marks)

**QUESTION FIVE**

1. Discuss factors that contribute to human population explosion in developing countries.(10 marks)
2. Discuss major environmental issues of Industrial-scientific revolution. (10 Marks)

**QUESTION SIX**

1. Discuss five ecological services provided by biodiversity. (10 Marks)
2. Explain how your county endeavoring achieve food security? (10 Marks)