

CHUKA



UNIVERSITY

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**UNIVERSITY EXAMINATIONS**

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

**ENSC 220: HUMAN SETTLEMENTS AND POPULATION**

**STREAMS: Y2S1**

**TIME: 2 HOURS**

**DAY/DATE: THURSDAY 06/12/2018**

**2.30 P.M – 4.30 P.M**

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**INSTRUCTIONS**

- **Answer all questions in section A and any two in section B**
- **Do not write anything on the question paper**

**SECTION A (30 MARKS)**

1. (a) Briefly explain six socio-cultural problems associated with urban settlements in most developing countries. [6 marks]
2. Explain the formula by Paul R. Ehrlich and John P..Holdren (1974) for determining a society's environmental impact. [4 marks]
3. Briefly explain the concept of ecological foot print. [4 marks]
4. Explain five ways in which increased human population leads to climate change.

[5 marks]

5. Rapid population growth in many developing countries negatively effects development. Substantiate this statement. [5 marks]
6. Using a diagram, differentiate between exponential population growth and sigmoid population growth. [6 marks]

**SECTION B (40 MARKS)**

7. With the aid of a diagram, discuss the concept of demographic transition. [20 marks]
8. (a) Describe the anatomy of a human population pyramid. [8 marks]

(b) Discuss ten consequences of increased human population growth in Kenya.

[10

marks]

9. (a) Explain ten consequences of increased human population growth in Kenya.

[10

marks]

(b) Explain five objectives of the Kenya population policy as a tool for controlling population growth.

[10 marks]

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