

**UNIVERSITY OF KWAZULU-NATAL**  
**EXAMINATION: JUNE 2012**  
**Howard College and Westville Campuses**

**SCHOOL : AGRICULTURE, EARTH AND ENVIRONMENTAL SCIENCES**  
**LEVEL : 1**  
**MODULE : HUMAN ENVIRONMENTS**  
**CODE : GEOG 110 H1/W1**

**DURATION: 3 HOURS**

**TOTAL MARKS: 100**

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**Internal Examiners: Prof U. Bob, Ms N. Nadasen**  
**EXTERNAL EXAMINER:**

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This paper consists of THREE pages

Instruction to students:

1. This paper consists of two sections
  2. Answer all questions from each section (please note that each question has choices)
  3. Each section is worth 50 marks
  4. Answer each section in a separate answer book
  5. On the cover of each answer book indicate the section answered (Section A or Section B)
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## SECTION A

**1. Define any FIVE (5) of the following concepts:** 5 x 2 = 10

- 1.1. Proximity
- 1.2. Latitude
- 1.3. Social Capital
- 1.4. The environment
- 1.5. Environmentalism
- 1.6. Precautionary principle
- 1.7. Human Development
- 1.8. Limits to growth' theory

**2. Answer any THREE (3) of the following:** 3 x 5 = 15

- 2.1. Define and discuss the concept of relational space.
- 2.2. Discuss the links between afrocentricity and geography.
- 2.3. Discuss the concept 'light green' environmentalists.
- 2.4. Discuss why Gross Domestic Product (GDP) is an incomplete measure of development.
- 2.5. Discuss the significance of the Industrial Revolution as signalling the beginning of modern environmentalism.

**3. Short Essays: choose ONE (1) of the following:**

- 3.1. Critically discuss the relationship between society and space, specifically in terms of cultural aspects. 25
- 3.2. Discuss the constraints to sustainable development in Africa and provide possible resolutions to improve human development. 25
- 3.3. Define sustainable development and discuss, using examples what is meant by the triple bottom line. 25

## SECTION B

**1. Define FIVE (5) of the following concepts:** 5 x 2 = 10

- 1.1. Resources
- 1.2. Fecundity
- 1.3. Birth Rate
- 1.4. Census
- 1.5. Natural increase
- 1.6. Net Reproduction Rate
- 1.7. Population pyramid
- 1.8. Life Expectancy

**2. Answer THREE (3) of the following:** 3 x 5 = 15

- 2.1. Draw the shape of a population pyramid for an underdeveloped country. What are the implications for the future development needs given the shape?
- 2.2. List five catastrophic human induced changes that affect ecosystems.
- 2.3. List five factors that limit population growth.
- 2.4. Identify five direct human impacts on the Earth's natural resource base as identified by Stefan et al. (2004).
- 2.5. Identify five of the Millennium Development Goals (MDGs).

**3. Short Essays: choose ONE (1) of the following:**

- 3.1. Discuss Malthus' views (the limits to growth theory) on population growth. 25
- 3.2. Discuss the impacts of climate change in relation to population growth, especially in the context of developing countries. 25
- 3.3. Use a diagram to critically discuss the stages of the Demographic Transition theory. 25

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## SECTION A

**1. Define any FIVE (5) of the following concepts:** 5 x 2 = 10

- 1.1. Place
- 1.2. Longitude
- 1.3. First nature
- 1.4. Urban-rural dichotomy
- 1.5. Cumulative impacts
- 1.6. Ecological footprints of cities
- 1.7. Radical environmentalists
- 1.8. Sustainable Development

**2. Answer any THREE (3) of the following:** 3 x 5 = 15

- 2.1. Discuss the main aspects of environmental determinism.
- 2.2. Discuss critical quantitative geography
- 2.3. Explain how the sole focus of food as a commodity impacts on the rural poor.
- 2.4. Discuss how nature is socially constructed.
- 2.5. Discuss why Gross Domestic Product (GDP) is considered an incomplete measure of sustainability.

**3. Short Essays: choose ONE (1) of the following:**

- 3.1. Discuss the evolution of geography as a discipline, focusing on the emergence of human geography. 25
- 3.2. Define human capital and discuss, using at least two examples, the benefits of investing in this form of capital. 25
- 3.3. Critically discuss some of the key factors influencing mobility and migration at local and regional scales. 25

## SECTION B

**1. Define FIVE (5) of the following concepts:** 5 x 2 = 10

- 1.1. Carrying Capacity
- 1.2. Population Distribution
- 1.3. Migration
- 1.4. Infant Mortality rate (IMR)
- 1.5. Crude Death Rate
- 1.6. Total Fertility Rate
- 1.7. Density
- 1.8. Fecundity

**2. Answer THREE (3) of the following:** 3 x 5 = 15

- 2.1. Draw the shape of a population pyramid for a developing country. What are the implications for the future development needs given the shape?
- 2.2. List five gradual human induced changes that affect ecosystems.
- 2.3. List the stages of the theory of demographic transition.
- 2.4. Identify five factors that human carrying capacity depends on.
- 2.5. Identify the drivers impacting on the natural environment.

**3. Short Essays: choose ONE (1) of the following:**

3.1. Compare and contrast two theories/ views on the population environment debate. 25

3.2. Critically examine what can be done at the global level to resolve ecological challenges. 25

3.3. Discuss the ecosystem services that nature provides, with specific reference to people. 25