

**UNIVERSITY OF KWAZULU-NATAL**  
**SCHOOL OF AGRICULTURAL, EARTH & ENVIRONMENTAL SCIENCES**  
**DISCIPLINE OF GEOGRAPHY**  
**MAIN EXAMINATION: JUNE 2014**  
**COURSE & CODE: HUMAN ENVIRONMENTS, GEOG 110W**

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**DURATION: 3 HOURS**

**TOTAL: 100 MARKS**

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This paper consists of three (3) pages.

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**INTERNAL EXAMINER/S: Dr F. Ahmed and Dr V. Moodley**  
**INTERNAL MODERATOR: Prof. B. Maharaj**

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**Instruction to students:**

1. This paper consists of two sections
  2. Answer all questions from each section (note that each question has choices)
  3. Each section is worth 50 marks
  4. Answer each section in a separate answer book. 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 Applied Human geography (2)
  - 1.2 Environmental determinism (2)
  - 1.3 Externalities (2)
  - 1.4 Ecological footprints (2)
  - 1.5 Regulating ecosystem services (2)
  - 1.6 Food security (2)
  - 1.7 Brown Agenda for cities (2)
  - 1.8 Gender (2)
- 2. Answer any THREE (3) of the following: 3 x 5 = 15**
- 2.1 Discuss the distinct disadvantages of sprawling cities. (5)
  - 2.2 List five (5) use values of natural resources. (5)
  - 2.3 Discuss the benefits of investing in developing human capital in Africa. (5)
  - 2.4 Explain human well-being as a measure of sustainable development. (5)
  - 2.5 Discuss dark green perspectives on society-environment relationships. (5)
- 3. Short Essays: choose ONE (1) of the following:**
- 3.1 Addressing food insecurity requires a focus on both the supply (production) and demand (income/ people's ability to buy food) aspects of food. Discuss this statement in relation to food insecurity in Africa. (25)
  - 3.2 Discuss why Millennium Development Goal (MDG) 7: Ensuring environmental sustainability) is critical for achieving the other MDGs. (25)
  - 3.3 Define sustainable development and, using examples, critically discuss the triple bottom line. (25)

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**SECTION B**

- 1. Define any FIVE (5) of the following concepts: 5 x 2 = 10**
- 1.1 Demography (2)
  - 1.2 Population Density (2)
  - 1.3 Birth Rate (2)
  - 1.4 Fertility rate (2)
  - 1.5 Infant Mortality rate (IMR) (2)
  - 1.6 Carrying capacity (2)
  - 1.7 Natural Increase (2)
  - 1.8 Resources (2)
- 2. Answer any THREE (3) of the following: 3 x 5 = 15**
- 2.1 List five factors that limit population growth (5)
  - 2.2 List five (5) of the Millennium Development Goals (5)
  - 2.3 List five naturally induced changes that affect ecosystems. (5)
  - 2.4 Identify five (5) direct human impacts on the Earth's natural resource base as identified by Stefan et al. (2004). (5)
  - 2.5 Explain the Marxist view on population change. (5)
- 3. Short Essays: choose ONE (1) of the following:**
- 3.1 Critically discuss the impacts of migration in places of origin and destination. (25)
  - 3.2 Discuss the impacts of climate change in relation to population growth in the context of developing countries.
  - 3.3 Use a diagram to critically discuss the stages of the Demographic Transition theory. (25)