

**UNIVERSITY OF KWAZULU-NATAL**  
**SCHOOL OF AGRICULTURAL, EARTH & ENVIRONMENTAL SCIENCES**  
**DISCIPLINE OF GEOGRAPHY**  
**EXAMINATION: JUNE 2013 (Main Examination)**  
**MODULE NAME & CODE: HUMAN ENVIRONMENTS, GEOG110H1**

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**DURATION: 3 HOURS**

**TOTAL MARKS: 100**

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**INTERNAL EXAMINERS: Dr V Moodley, Ms M Crosby and Mr M Khanyile**  
**INTERNAL MODERATOR: Prof B Maharaj**

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**This paper consists of two pages**

Instruction to candidates:

1. This paper consists of two sections.
  2. Answer all questions from each section (please note that some questions have choices).
  3. Each section is worth 50 marks.
  4. Use two answer books. On the cover of each answer book indicate the section answered (Section A or Section B).
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**SECTION A**

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

- 1.1 Carrying capacity
- 1.2 Population distribution
- 1.3 Census
- 1.4 Fertility rate
- 1.5 Demography
- 1.6 Life expectancy
- 1.7 Morbidity
- 1.8 Infant mortality rate

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

- 2.1 Draw the shape of a population pyramid for a developed country. What are the implications for the future development needs of the country given the shape?
- 2.2 List five (5) non-renewable natural resources.
- 2.3 List five (5) naturally-induced changes that affect the ecosystem.
- 2.4 Identify five (5) direct human impacts on the Earth's natural resource base as identified by Stefan et al. (2004).
- 2.5 Identify five (5) stabilising and regulatory ecosystem services.
- 2.6 Identify five (5) of the Millennium Development Goals (MDGs).

**3. Short Essays: Choose ONE (1) of the following:** [25]

- 3.1 Discuss the impacts of climate change in relation to population growth, especially in the context of developing countries.
- 3.1 Discuss the Malthusian, Neo-Malthusian and Marxist perspectives on population growth.
- 3.3 Critically discuss the causes of migration.

**SECTION B**

**4. Define FIVE (5) of the following concepts:** [5x2 =10]

- 4.1 Sustainability
- 4.2 Geographic Afrocentricity
- 4.3 Human capital
- 4.4 Environmentalism
- 4.5 Brown agenda
- 4.6 Manhattan space
- 4.7 Second nature
- 4.8 Gross Domestic Product

**5. Answer THREE (3) of the following questions.** [3x5=15]

- 5.1 Briefly explain the easiest way of interpreting the interaction between space and society.
- 5.2 List 5 natural assets people draw on when they plan their livelihood strategies.
- 5.3 List 5 relations that are connected to relational space.
- 5.4 List 5 qualities of a good 'sustainability' geographer.
- 5.5 List any 5 trends that influenced the development of Geography as a discipline up to the 1960s.
- 5.6 Identify 5 reasons why African agriculture is perceived to be in crisis.

**6. Short essay: Choose ONE of the following topics:** [25]

- 6.1 Discuss the implications of a Eurocentric dominance in Geography using relevant examples.
- 6.2 Critically discuss the key environmental challenges of the 21<sup>st</sup> century in Africa using appropriate examples.
- 6.3 Critically discuss the principles of sustainable development

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**MODULE NAME & CODE: HUMAN ENVIRONMENTS, GEOG110H1**

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1. This paper consists of two sections; Sections A and B.
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**SECTION A**

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

- 1.1 Resources
- 1.2 Population density
- 1.3 Population Geography
- 1.4 Birth rate
- 1.5 Natural increase
- 1.6 Net Reproduction Rate
- 1.7 Infant Mortality Rate
- 1.8 Fecundity

**2. Answer THREE (3) of the following: [3 x 5 = 20]**

- 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 (5) catastrophic human induced changes that affect ecosystems.
- 2.3 List five (5) non-renewable natural resources.
- 2.4 List five (5) of the Millennium Development Goals (MDGs).
- 2.5 List five (5) life-fulfilling ecosystem services.
- 2.6 List five (5) factors that limit population growth.

**3. Short Essays: Choose ONE (1) of the following:** [25]

- 3.1 Use a diagram to critically discuss the stages of the Demographic Transition Theory.
- 3.2 Critically discuss the development of South African Cities in the pre and post-apartheid eras.
- 3.3 Critically discuss the impacts of migration in places of origin and destination.

**SECTION B**

**4. Define FIVE (5) of the following concepts:** [5x2 = 10]

- 4.1 Green agenda
- 4.2 Human vulnerability
- 4.3 Quantitative revolution
- 4.4 Triple Bottom Line
- 4.5 Geographic African scholarship
- 4.6 Social capital
- 4.7 Human development
- 4.8 Colonialism

**5 Answer THREE (3) of the following questions:** [3x5 = 15]

- 5.1 Briefly explain why there is a failure to conceptualise environmental issues in the Constitution of South Africa.
- 5.2 List five (5) categories in which people in society are categorised.
- 5.3 Briefly explain why protected/conservation areas are seen as a separation of people from nature.
- 5.4 Briefly explain the viewpoints of the radical environmentalists.
- 5.5 List 5 geographical concepts related to space.
- 5.6 Briefly explain the impacts of globalisation on rural people.

**6 Short essays: Choose one (1) of the following:** [25]

- 6.1 Discuss the evolution of geography as a discipline, paying particular attention to the development of human geography.
- 6.2 Discuss the main themes of Agenda 21.
- 6.3 Discuss Marx's view of the human relation to nature