

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

DURATION: 3 HOURS

TOTAL MARKS: 100

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

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 List five (5) direct human impacts on the Earth's natural resource base as identified by Stefan et al. (2004).
- 2.5 List five (5) stabilising and regulatory ecosystem services.
- 2.6 List 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, focusing particularly on the developing context.
- 3.2 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: [5 x 2 =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. [3 x 5=15]

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

6. Short essay: Choose ONE (1) 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 facing Africa currently using appropriate examples.
- 6.3 Critically discuss the principles of sustainable development

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1. This paper consists of two sections; Sections A and B.
 2. Answer all the questions from each section (Please note that some questions have choices).
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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 = 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 (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: [5 x 2 = 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: [3 x 5 = 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 classified.
- 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 five (5) geographical concepts related to space.
- 5.6 Briefly explain the impacts of globalisation on rural people.

4 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 relationship between people and nature.