

UNIVERSITY OF KWAZULU-NATAL
SCHOOL OF AGRICULTURAL, EARTH & ENVIRONMENTAL SCIENCES
MAIN EXAMINATION: JUNE 2013
SUBJECT, COURSE & CODE: HUMAN ENVIRONMENTS, GEOG 110 W1

DURATION: 3 HOURS

TOTAL MARKS: 100

INTERNAL MODERATOR: Prof B Maharaj
INTERNAL EXAMINER/S: Prof U Bob, Dr F. Ahmed and Ms S Munien

NOTE: THIS PAPER CONSISTS OF THREE (3) PAGES. PLEASE SEE THAT YOU HAVE THEM ALL.

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 Built capital (2)
 - 1.2 Environmental integrity (2)
 - 1.3 Anthropocentrism (2)
 - 1.4 Precautionary principle (2)
 - 1.5 Gaia theory (2)
 - 1.6 The Brundtland definition of sustainable development (2)
 - 1.7 Hunger (2)
 - 1.8 Gender (2)

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

- 2.1 Discuss the links between Millennium Development Goal 3 (gender equity) and the environment. (5)
- 2.2 Explain the concept of human development. (5)
- 2.3 Describe, with use of examples, three recognized types of ecosystem services. (5)
- 2.4 Explain, with the use of examples, the triple role of women. (5)
- 2.5 Explain why land rights are critical for women in rural contexts. (5)

3. Short Essays: choose One of the following:

- 3.1 Discuss key challenges to natural resource management (NRM) in Africa. (25)

OR

- 3.2 Compare and contrast the Ubuntu philosophy with Descarte's Western philosophy in its human relationship with the environment. (25)

OR

- 3.3 Discuss, with the use of examples, the importance of four (4) capitals and their contribution to the measures of sustainable development. (25)

SECTION B

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

- 1.1. Population geography
- 1.2. Crude Death Rate (2)
- 1.3. Census (2)
- 1.4. Infant Mortality Rate (IMR) (2)
- 1.5. Natural increase (2)
- 1.6. Xenophobia (2)
- 1.7. Climate change (2)
- 1.8. Mobility (2)

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 given the shape? (5)
- 2.2. List five naturally induced changes that affect ecosystems. (5)
- 2.3. List the five main ways in which urbanization occurs. (5)
- 2.4. List five of the Millennium Development Goals (MDGs), excluding gender equality (MDG 3). (5)
- 2.5. Briefly discuss the I = PAT (Ehrlich and Holdren) model that examines ecological impacts of population growth. (5)

3. Short Essays: choose One of the following:

- 3.1. Use a diagram to discuss the stages of the Demographic Transition theory. (25)

OR

- 3.2. Compare and contrast the limits to growth (Malthusian) theory and distributive (and redistributive) justice theory that examine relationships between people and the environment. (25)

OR

- 3.3. Discuss the main factors that influence rural-urban migration. (25)