

UNIVERSITY OF KWAZULU-NATAL
SCHOOL OF AGRICULTURAL, EARTH & ENVIRONMENTAL SCIENCES
SUPPLEMENTARY 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

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|-----|---------------------------|-----|
| 1.1 | Vulnerability | (2) |
| 1.2 | Remittances | (2) |
| 1.3 | Common property resources | (2) |
| 1.4 | Ecosystems | (2) |
| 1.5 | Biocentrism | (2) |
| 1.6 | Local Agenda 21 | (2) |
| 1.7 | Urbanization | (2) |
| 1.8 | Intrinsic value of nature | (2) |

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

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|-----|---|-----|
| 2.1 | Explain, with use of examples, the concept of rural livelihood diversification. | (5) |
| 2.2 | List five typical rural vulnerability indicators. | (5) |

- 2.3 Explain the links between Millennium Development Goal 5 (improve maternal health) and the environment. (5)
- 2.4 Discuss the concept of human well-being. (5)
- 2.5 Describe five (5) characteristics of Green Agendas. (5)

3. Short Essays: choose One of the following:

- 3.1 Discuss, with the use of examples, the problems with viewing food production solely in terms of commodities, and its particular significance for the African continent. (25)

OR

- 3.2 Discuss the impacts of the leadership challenges on attaining sustainable development in Africa. (25)

OR

- 3.3 Urban environmental problems have been divided into two different agendas: the 'brown agenda' and 'green agenda'. Explain why these agendas are particularly important in developing countries, and suggest how the environment can be improved by adopting these approaches. (25)

SECTION B

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

- 1.1. Total Fertility Rate (TFR) (2)
- 1.2. Migration (2)
- 1.3. Birth rate (2)
- 1.4. Population distribution (2)
- 1.5. Global warming (2)
- 1.6. Carrying capacity (2)
- 1.7. Dependency Ratio (2)
- 1.8. Human trafficking (2)

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

- 2.1. List five factors that limit population growth. (5)
- 2.2. List five push factors that influence rural to urban migration. (5)
- 2.3. Using a diagram, discuss what the shape of a population pyramid indicates. (5)
- 2.4. List five human induced changes that affect ecosystems. (5)
- 2.5. List five impacts of migration in Africa. (5)

3. Short Essays: choose One of the following:

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

OR

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

OR

- 3.3. Discuss the impacts of climate change in relation to population growth, especially in the context of developing countries. (25)