



FACULTY OF SCIENCE

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL MANAGEMENT & ENERGY STUDIES

MODULE	ENM2A ENVIRONMENTAL MANAGEMENT
CAMPUS	APK
EXAM	JUNE 2016

DATE **2016.06.09**

SESSION **08:30 – 11:30**

ASSESSOR(S)

MRS D.C. SCHOEMAN
MRS L. MODLEY
MR . DLAMINI

INTERNAL MODERATOR

DR C. KELSO

DURATION **3 HOURS**

MARKS **100**

NUMBER OF PAGES: 3 PAGES

INSTRUCTIONS:

- 1. Answer ALL OF THE QUESTIONS**
- 2. Number your answers clearly.**
- 3. Answer each Section in a separate book.**
- 4. Please note there are THREE sections.**
- 5. Please note there are choices in Section C.**

SECTION A (Mrs Schoeman)**QUESTION 1**

“The management of domestic waste in South Africa currently faces many real challenges. In terms of the South African Constitution (Act No. 108 of 1996), waste management service delivery is a local government function. The current status of waste management in South Africa is therefore an indication of how well municipalities succeed in performing this function” (CSIR, 2011).

Taking the above statement into consideration, explain how integrated waste management can contribute to the sustainability of cities/towns. Use examples to illustrate your answer.

25)**SUB TOTAL [25]****SECTION B (Mrs Modley)****QUESTION 2**

“The next world war will be fought over water”.

Discuss this statement by referring to the different types of water resources as well as their availability, focusing mainly on the why there is such a huge crisis internationally. Your answer should also include a critical discussion on one current situation (case study) in Africa where water conflict is slowly claiming the lives of many people.

(25)**SUB TOTAL [25]**

SECTION C (Ms Clayton & Mr Dlamini)

Choose and answer any TWO questions.

QUESTION 1

Discuss the current and potential renewable energy landscape of South Africa.

(25)

QUESTION 2

Malaria continues to be a very serious threat despite modern technology and medical innovations. Discuss and offer solutions.

(25)

QUESTION 3

Recent research on food production in South Africa has shown a nexus (relationship) between food, water and energy in the environment. Discuss how food production is linked to water and energy resources, and the implications of this relationship for food security and development planning in South Africa.

(25)

QUESTION 4

Why is it vital that environmental management and mitigation takes place throughout the mining process? Answer with reference to the impacts of both open cast and underground mining.

(25)

QUESTION 5

Describe the major causes of air pollution, and the various measures that can be taken to reduce the pollution. Include a discussion of legislative measures in place as an attempt to curb air pollution in South Africa.

(25)

SUB TOTAL [50]

TOTAL [100]
