



FACULTY OF SCIENCE

DEPARTMENT OF GEOGRAPHY, ENVIRONMENTAL MANAGEMENT & ENERGY STUDIES

MODULE: ENS8X01
(ENERGY POLICY)

CAMPUS: APK

SUPPLEMENTARY EXAM: JANUARY 2020

DATE: January 2020

DURATION: 3 HOURS

ASSESSOR(S): Dr. N.E. Kambule

EXTERNAL MODERATOR: Dr. L.J. Mqadi

MARKS: 100

INSTRUCTIONS:

Please answer any THREE of the FIVE questions.

Each answer should be in the form of a comprehensive essay, with sketches and diagrams where these may be appropriate to enhance your answer. Alternatively you may provide your answer in point form.

Each answer is worth the same number of marks (33.3%)

QUESTION 1

Extensively discuss the **process** of policy formulation, critically highlighting the role of politics in policy decision making? All this should be in the context of the South African Energy Landscape.

(33.3)**QUESTION 2**

Provide a scholarly discussion for the following concepts: Complexity, Sustainability Transitions, and A Just Transition. All this should be in the context of the South African Energy Landscape.

(33.3)**QUESTION 3**

The South African Treasury is planning to introduce a 'Carbon Tax' in 2019.

- As an energy practitioner what would you recommend as a starting point for any company in South Africa to engage on carbon tax?
- Please provide an overview of all deductions which have been introduced for the first phase of the carbon tax (to 31 December 2022) including their implications on South Africa's energy intensive users.
- What would the introduction of carbon tax mean for South Africa's electricity tariff?

(33.3)**QUESTION 4**

The Department of Environment, Forestry and Fisheries (DEFF) has been driving the climate change policy through the National Climate Change Response White Paper (2011) in South Africa whilst the Department of Energy is responsible for energy policy in South Africa. In the context of South Africa's sustainability transitions which is termed a Just transitions,

- What should be the role of the DOE in the formulation and the implementation of climate change policy in South Africa?
- Provide an overview on all climate change mitigation regulations and adaptation to climate change initiatives that has been introduced by DEFF in South Africa.
- Is South Africa's energy sector ready for all the above mentioned regulation? What can it do to be ready? Is the South African economy ready? What can the government (at all levels) can do to be ready?

(33.3)**QUESTION 5**

The Integrated Resources Plan (IRP) is currently in a draft format, while this is the case:

- Briefly discuss the background of this policy or approach in the context of long term electricity planning.
- Describe it's the policy objectives, its prescribed governance process, set timelines and set engagement processes
- The challenges that stem out of the policy process/approach that is followed in drafting this policy document.
- What would you attribute to its delays since it was approved in 2011, including possible implications of this delay on this policy document to the broader South African energy economic fraternity?

(33.3)**TOTAL (100)]**